AP - 111

AGWMR
(2)

2011

Western Refining

GALLUP

WNR LISTED NYSE

7010 1670 0001 3141 0019

Certified Return Receipt: #7011 2970 0003 9281 8008

August 30, 2012

Carl Chavez, Environmental Engineer
Oil Conservation Division
1220 S. Saint Francis
Santa Fe, NM 87505

Mr. John Kieling, Acting Chief
NMED - Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg 1
Santa Fe, NM 87505-6303

RE: 2011 Annual Ground Water Monitoring Report
Western Refining Company, Southwest Inc. - Gallup Refinery
EPA ID # NMD000333211

Dear Mr. Chavez and Mr. Kieling:

Western Refining Southwest, Gallup Refinery is pleased to submit the 2011 Annual Ground Water Monitoring Report. This report is being submitted to comply with the Discharge Permit 32, Condition 20.A, Annual Ground Water reporting requirements. Discharge Permit 32 was rescinded on February 15, 2012, however we are required to continue to abate pollution of ground water pursuant to 19.15.30 NMAC (Remediation) under case number AP-111.

The new Waste Water Treatment Plant (WWTP) was put into service in the second quarter of 2012 and will affect the sampling requirements for the influents, effluents at the aeration lagoons, and pond 1 under the old Discharge Permit 32. The waste water is now going to our new waste water treatment plant and into a new pond STP-1. Western is currently sampling the new WWTP under the start up requirements stated in NMED's Approval with Modifications Process Design Report for the Waste Water Treatment Plant, Dated May 24, 2010, until further notice.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Ed Riege, Environmental Manager
(505) 722-0217
ed.riege@wnr.com

cc: K. Van Horn, NMED HWB
C. Chavez, OCD
C. Johnson, Gallup

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, March 09, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 1st QTR 2011

Order No.: 1103005

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 2/28/2011 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

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1103005	**Collection Date:**	2/24/2011 9:42:00 AM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	1300	20		µg/L	20	3/3/2011 12:29:52 AM
Toluene	1.9	1.0		µg/L	1	3/1/2011 6:45:03 PM
Ethylbenzene	42	1.0		µg/L	1	3/1/2011 6:45:03 PM
Methyl tert-butyl ether (MTBE)	1400	10		µg/L	10	3/1/2011 6:19:00 PM
1,2,4-Trimethylbenzene	1.3	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2-Dichloroethane (EDC)	1.6	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Naphthalene	ND	2.0		µg/L	1	3/1/2011 6:45:03 PM
1-Methylnaphthalene	19	4.0		µg/L	1	3/1/2011 6:45:03 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 6:45:03 PM
Acetone	ND	10		µg/L	1	3/1/2011 6:45:03 PM
Bromobenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Bromoform	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Bromomethane	ND	3.0		µg/L	1	3/1/2011 6:45:03 PM
2-Butanone	ND	10		µg/L	1	3/1/2011 6:45:03 PM
Carbon disulfide	ND	10		µg/L	1	3/1/2011 6:45:03 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Chlorobenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Chloroethane	ND	2.0		µg/L	1	3/1/2011 6:45:03 PM
Chloroform	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Chloromethane	ND	3.0		µg/L	1	3/1/2011 6:45:03 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/1/2011 6:45:03 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Dibromomethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/1/2011 6:45:03 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/1/2011 6:45:03 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1103005	**Collection Date:**	2/24/2011 9:42:00 AM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/1/2011 6:45:03 PM
Isopropylbenzene	4.8	1.0		µg/L	1	3/1/2011 6:45:03 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/1/2011 6:45:03 PM
Methylene Chloride	ND	3.0		µg/L	1	3/1/2011 6:45:03 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
n-Propylbenzene	1.3	1.0		µg/L	1	3/1/2011 6:45:03 PM
sec-Butylbenzene	2.7	1.0		µg/L	1	3/1/2011 6:45:03 PM
Styrene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/1/2011 6:45:03 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/1/2011 6:45:03 PM
Vinyl chloride	ND	1.0		µg/L	1	3/1/2011 6:45:03 PM
Xylenes, Total	ND	1.5		µg/L	1	3/1/2011 6:45:03 PM
Surr: 1,2-Dichloroethane-d4	118	65.8-138		%REC	1	3/1/2011 6:45:03 PM
Surr: 4-Bromofluorobenzene	109	72.7-128		%REC	1	3/1/2011 6:45:03 PM
Surr: Dibromofluoromethane	102	69-135		%REC	1	3/1/2011 6:45:03 PM
Surr: Toluene-d8	114	86.1-134		%REC	1	3/1/2011 6:45:03 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1103005	**Collection Date:**	2/24/2011 10:43:00 AM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Toluene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Ethylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Methyl tert-butyl ether (MTBE)	300	10		µg/L	10	3/1/2011 7:11:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Naphthalene	ND	2.0		µg/L	1	3/1/2011 7:37:10 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 7:37:10 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 7:37:10 PM
Acetone	ND	10		µg/L	1	3/1/2011 7:37:10 PM
Bromobenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Bromoform	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Bromomethane	ND	3.0		µg/L	1	3/1/2011 7:37:10 PM
2-Butanone	ND	10		µg/L	1	3/1/2011 7:37:10 PM
Carbon disulfide	ND	10		µg/L	1	3/1/2011 7:37:10 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Chlorobenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Chloroethane	ND	2.0		µg/L	1	3/1/2011 7:37:10 PM
Chloroform	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Chloromethane	ND	3.0		µg/L	1	3/1/2011 7:37:10 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/1/2011 7:37:10 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Dibromomethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/1/2011 7:37:10 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1103005	**Collection Date:**	2/24/2011 10:43:00 AM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/1/2011 7:37:10 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/1/2011 7:37:10 PM
Methylene Chloride	ND	3.0		µg/L	1	3/1/2011 7:37:10 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Styrene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/1/2011 7:37:10 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/1/2011 7:37:10 PM
Vinyl chloride	ND	1.0		µg/L	1	3/1/2011 7:37:10 PM
Xylenes, Total	ND	1.5		µg/L	1	3/1/2011 7:37:10 PM
Surr: 1,2-Dichloroethane-d4	118	65.8-138		%REC	1	3/1/2011 7:37:10 PM
Surr: 4-Bromofluorobenzene	111	72.7-128		%REC	1	3/1/2011 7:37:10 PM
Surr: Dibromofluoromethane	94.1	69-135		%REC	1	3/1/2011 7:37:10 PM
Surr: Toluene-d8	120	86.1-134		%REC	1	3/1/2011 7:37:10 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1103005	**Collection Date:**	2/24/2011 1:20:00 PM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Toluene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Ethylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Methyl tert-butyl ether (MTBE)	4.0	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Naphthalene	ND	2.0		µg/L	1	3/1/2011 8:03:16 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 8:03:16 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 8:03:16 PM
Acetone	ND	10		µg/L	1	3/1/2011 8:03:16 PM
Bromobenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Bromoform	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Bromomethane	ND	3.0		µg/L	1	3/1/2011 8:03:16 PM
2-Butanone	ND	10		µg/L	1	3/1/2011 8:03:16 PM
Carbon disulfide	ND	10		µg/L	1	3/1/2011 8:03:16 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Chlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Chloroethane	ND	2.0		µg/L	1	3/1/2011 8:03:16 PM
Chloroform	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Chloromethane	ND	3.0		µg/L	1	3/1/2011 8:03:16 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/1/2011 8:03:16 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Dibromomethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/1/2011 8:03:16 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/1/2011 8:03:16 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
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- 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1103005	**Collection Date:**	2/24/2011 1:20:00 PM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/1/2011 8:03:16 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/1/2011 8:03:16 PM
Methylene Chloride	ND	3.0		µg/L	1	3/1/2011 8:03:16 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Styrene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/1/2011 8:03:16 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/1/2011 8:03:16 PM
Vinyl chloride	ND	1.0		µg/L	1	3/1/2011 8:03:16 PM
Xylenes, Total	ND	1.5		µg/L	1	3/1/2011 8:03:16 PM
Surr: 1,2-Dichloroethane-d4	115	65.8-138		%REC	1	3/1/2011 8:03:16 PM
Surr: 4-Bromofluorobenzene	106	72.7-128		%REC	1	3/1/2011 8:03:16 PM
Surr: Dibromofluoromethane	93.7	69-135		%REC	1	3/1/2011 8:03:16 PM
Surr: Toluene-d8	118	86.1-134		%REC	1	3/1/2011 8:03:16 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1103005	**Collection Date:**	2/24/2011 2:21:00 PM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Toluene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Ethylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Methyl tert-butyl ether (MTBE)	1100	20		µg/L	20	3/1/2011 8:29:23 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Naphthalene	ND	2.0		µg/L	1	3/1/2011 8:55:35 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 8:55:35 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 8:55:35 PM
Acetone	ND	10		µg/L	1	3/1/2011 8:55:35 PM
Bromobenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Bromoform	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Bromomethane	ND	3.0		µg/L	1	3/1/2011 8:55:35 PM
2-Butanone	ND	10		µg/L	1	3/1/2011 8:55:35 PM
Carbon disulfide	ND	10		µg/L	1	3/1/2011 8:55:35 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Chlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Chloroethane	ND	2.0		µg/L	1	3/1/2011 8:55:35 PM
Chloroform	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Chloromethane	ND	3.0		µg/L	1	3/1/2011 8:55:35 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/1/2011 8:55:35 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Dibromomethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/1/2011 8:55:35 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/1/2011 8:55:35 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1103005	**Collection Date:**	2/24/2011 2:21:00 PM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	3/1/2011 8:55:35 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/1/2011 8:55:35 PM
Methylene Chloride	ND	3.0		µg/L	1	3/1/2011 8:55:35 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Styrene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/1/2011 8:55:35 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/1/2011 8:55:35 PM
Vinyl chloride	ND	1.0		µg/L	1	3/1/2011 8:55:35 PM
Xylenes, Total	ND	1.5		µg/L	1	3/1/2011 8:55:35 PM
Surr: 1,2-Dichloroethane-d4	107	65.8-138		%REC	1	3/1/2011 8:55:35 PM
Surr: 4-Bromofluorobenzene	113	72.7-128		%REC	1	3/1/2011 8:55:35 PM
Surr: Dibromofluoromethane	85.8	69-135		%REC	1	3/1/2011 8:55:35 PM
Surr: Toluene-d8	121	86.1-134		%REC	1	3/1/2011 8:55:35 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1103005	**Collection Date:**	2/24/2011 9:30:00 AM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Toluene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Ethylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Naphthalene	ND	2.0		µg/L	1	3/1/2011 9:48:21 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 9:48:21 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 9:48:21 PM
Acetone	ND	10		µg/L	1	3/1/2011 9:48:21 PM
Bromobenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Bromoform	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Bromomethane	ND	3.0		µg/L	1	3/1/2011 9:48:21 PM
2-Butanone	ND	10		µg/L	1	3/1/2011 9:48:21 PM
Carbon disulfide	ND	10		µg/L	1	3/1/2011 9:48:21 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Chlorobenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Chloroethane	ND	2.0		µg/L	1	3/1/2011 9:48:21 PM
Chloroform	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Chloromethane	ND	3.0		µg/L	1	3/1/2011 9:48:21 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/1/2011 9:48:21 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Dibromomethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/1/2011 9:48:21 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/1/2011 9:48:21 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1103005	**Collection Date:**	2/24/2011 9:30:00 AM
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/1/2011 9:48:21 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/1/2011 9:48:21 PM
Methylene Chloride	ND	3.0		µg/L	1	3/1/2011 9:48:21 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Styrene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/1/2011 9:48:21 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/1/2011 9:48:21 PM
Vinyl chloride	ND	1.0		µg/L	1	3/1/2011 9:48:21 PM
Xylenes, Total	ND	1.5		µg/L	1	3/1/2011 9:48:21 PM
Surr: 1,2-Dichloroethane-d4	110	65.8-138		%REC	1	3/1/2011 9:48:21 PM
Surr: 4-Bromofluorobenzene	108	72.7-128		%REC	1	3/1/2011 9:48:21 PM
Surr: Dibromofluoromethane	86.9	69-135		%REC	1	3/1/2011 9:48:21 PM
Surr: Toluene-d8	117	86.1-134		%REC	1	3/1/2011 9:48:21 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1103005	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Toluene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Ethylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Naphthalene	ND	2.0		µg/L	1	3/1/2011 10:14:45 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 10:14:45 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/1/2011 10:14:45 PM
Acetone	ND	10		µg/L	1	3/1/2011 10:14:45 PM
Bromobenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Bromoform	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Bromomethane	ND	3.0		µg/L	1	3/1/2011 10:14:45 PM
2-Butanone	ND	10		µg/L	1	3/1/2011 10:14:45 PM
Carbon disulfide	ND	10		µg/L	1	3/1/2011 10:14:45 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Chlorobenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Chloroethane	ND	2.0		µg/L	1	3/1/2011 10:14:45 PM
Chloroform	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Chloromethane	ND	3.0		µg/L	1	3/1/2011 10:14:45 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/1/2011 10:14:45 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Dibromomethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/1/2011 10:14:45 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/1/2011 10:14:45 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: *09-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1103005	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	2/28/2011
Lab ID:	1103005-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/1/2011 10:14:45 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/1/2011 10:14:45 PM
Methylene Chloride	ND	3.0		µg/L	1	3/1/2011 10:14:45 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Styrene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/1/2011 10:14:45 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/1/2011 10:14:45 PM
Vinyl chloride	ND	1.0		µg/L	1	3/1/2011 10:14:45 PM
Xylenes, Total	ND	1.5		µg/L	1	3/1/2011 10:14:45 PM
Surr: 1,2-Dichloroethane-d4	115	65.8-138		%REC	1	3/1/2011 10:14:45 PM
Surr: 4-Bromofluorobenzene	108	72.7-128		%REC	1	3/1/2011 10:14:45 PM
Surr: Dibromofluoromethane	93.7	69-135		%REC	1	3/1/2011 10:14:45 PM
Surr: Toluene-d8	118	86.1-134		%REC	1	3/1/2011 10:14:45 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103005

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b1		*MBLK*				Batch ID: **R43913**		Analysis Date:	3/1/2011 10:59:24 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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: 1st QTR 2011 **Work Order:** 1103005

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b1		*MBLK*				Batch ID: **R43913**		Analysis Date:	3/1/2011 10:59:24 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2 oropropane	ND	µg/L	2.0								
Viny de	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R43942**		Analysis Date:	3/2/2011 10:01:42 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chlo n	ND	µg/L	1.0								

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: 1st QTR 2011 **Work Order:** 1103005

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
				Batch ID: **R43942**				Analysis Date:		3/2/2011 10:01:42 AM	
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs1		*LCS*									
				Batch ID: **R43913**				Analysis Date:		3/1/2011 1:24:35 PM	

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

ent: Western Refining Southwest, Gallup
rroject: 1st QTR 2011 **Work Order:** 1103005

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs1		*LCS*				Batch ID:	**R43913**	Analysis Date:		3/1/2011 1:24:35 PM	
Benzene	20.00	µg/L	1.0	20	0	100	85.2	121			
Toluene	19.45	µg/L	1.0	20	0	97.3	88.3	121			
Chlorobenzene	18.37	µg/L	1.0	20	0	91.8	91.9	110			S
1,1-Dichloroethene	20.75	µg/L	1.0	20	0	104	91.5	134			
Trichloroethene (TCE)	19.03	µg/L	1.0	20	0	95.2	78.3	102			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R43942**	Analysis Date:		3/2/2011 10:53:31 AM	
Benzene	21.94	µg/L	1.0	20	0	110	85.2	121			
Toluene	20.55	µg/L	1.0	20	0	103	88.3	121			
Chlorobenzene	19.46	µg/L	1.0	20	0	97.3	91.9	110			
1,1-Dichloroethene	23.79	µg/L	1.0	20	0	119	91.5	134			
Trichloroethene (TCE)	21.01	µg/L	1.0	20	0	105	78.3	102			S
Sample ID: 100ng lcsd		*LCSD*				Batch ID:	**R43913**	Analysis Date:		3/1/2011 12:27:48 PM	
Benzene	21.14	µg/L	1.0	20	0	106	85.2	121	5.57	20	
Toluene	21.13	µg/L	1.0	20	0	106	88.3	121	8.29	20	
Chlorobenzene	20.04	µg/L	1.0	20	0	100	91.9	110	8.74	20	
1,1-Dichloroethene	21.95	µg/L	1.0	20	0	110	91.5	134	5.63	20	
Trichloroethene (TCE)	20.12	µg/L	1.0	20	0	101	78.3	102	5.56	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 2/28/2011

Work Order Number 1103005 | Received by: AT

Checklist completed by: Michelle Garcia (Signature) 2/28/11 (Date) | Sample ID labels checked by: MG (Initials)

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		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 Refinery Gallup Refinery
Mailing Address: Rt 3 Box 17 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: 1st QTR 2011
Project #: GW wells
Project Manager: C Johnson
Sampler: C Johnson
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. 1105005	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) + MTBE	8270 (Semi-VOA)	Air Bubbles (Y or N)
2/24/11	0942	H2O	GW-14			-1										X		
"	1043	"	GW-29			-2										X		
"	1320	"	GW-13			-3										X		
"	1421	"	GW-30			-4										X		
2/24/11	0930		Field Blank			-5										X		
2/24/11			Trip Blank			-6										X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/24/11	1510			02/28/11	1310
2-28-11	1310			02/28/11	1310

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, April 01, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 1st QTR 2011

Order No.: 1103171

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 3/3/2011 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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1103171	**Collection Date:**	2/28/2011 11:32:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2011 3:29:57 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 3:29:57 PM
Surr: DNOP	115	86.9-151		%REC	1	3/7/2011 3:29:57 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	0.062	0.050		mg/L	1	3/7/2011 3:35:10 PM
Surr: BFB	101	79.4-132		%REC	1	3/7/2011 3:35:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.34	0.10		mg/L	1	3/5/2011 3:02:03 AM
Chloride	490	25		mg/L	50	3/10/2011 9:37:27 PM
Bromide	0.76	0.10		mg/L	1	3/5/2011 3:02:03 AM
Nitrate (As N)+Nitrite (As N)	1.1	1.0		mg/L	5	3/10/2011 11:52:13 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/5/2011 3:02:03 AM
Sulfate	140	10		mg/L	20	3/5/2011 3:13:17 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.044	0.0020		mg/L	1	3/17/2011 6:36:22 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 6:36:22 PM
Calcium	62	1.0		mg/L	1	3/17/2011 6:36:22 PM
Chromium	ND	0.0060		mg/L	1	3/17/2011 6:36:22 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 6:36:22 PM
Iron	ND	0.020		mg/L	1	3/17/2011 6:36:22 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 6:36:22 PM
Magnesium	9.0	1.0		mg/L	1	3/17/2011 6:36:22 PM
Manganese	0.029	0.0020		mg/L	1	3/17/2011 6:36:22 PM
Potassium	3.0	1.0		mg/L	1	3/17/2011 6:36:22 PM
Silver	ND	0.0050		mg/L	1	3/17/2011 6:36:22 PM
Sodium	490	10		mg/L	10	3/17/2011 6:56:33 PM
Zinc	ND	0.010		mg/L	1	3/17/2011 6:36:22 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.045	0.0020		mg/L	1	3/10/2011 1:01:55 PM
Cadmium	ND	0.0020		mg/L	1	3/10/2011 1:01:55 PM
Calcium	64	1.0		mg/L	1	3/10/2011 1:01:55 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 1:01:55 PM
Copper	ND	0.0060		mg/L	1	3/10/2011 1:01:55 PM
Iron	ND	0.020		mg/L	1	3/10/2011 1:01:55 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 1:01:55 PM
Magnesium	9.5	1.0		mg/L	1	3/10/2011 1:01:55 PM
Manganese	0.030	0.0020		mg/L	1	3/10/2011 1:01:55 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1103171	**Collection Date:**	2/28/2011 11:32:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	1.2	1.0		mg/L	1	3/10/2011 1:01:55 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 1:01:55 PM
Sodium	520	10		mg/L	10	3/10/2011 3:15:35 PM
Zinc	ND	0.010		mg/L	1	3/10/2011 1:01:55 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	3/16/2011 2:03:27 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 2:03:27 PM
Uranium	0.055	0.0020		mg/L	2	3/16/2011 5:25:31 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	3/15/2011 3:58:01 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 3:58:01 PM
Uranium	0.054	0.0025		mg/L	2.5	3/15/2011 3:58:01 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Toluene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Ethylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Methyl tert-butyl ether (MTBE)	36	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Naphthalene	ND	2.0		µg/L	1	3/7/2011 5:08:48 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/7/2011 5:08:48 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/7/2011 5:08:48 PM
Acetone	ND	10		µg/L	1	3/7/2011 5:08:48 PM
Bromobenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Bromoform	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Bromomethane	ND	3.0		µg/L	1	3/7/2011 5:08:48 PM
2-Butanone	ND	10		µg/L	1	3/7/2011 5:08:48 PM
Carbon disulfide	ND	10		µg/L	1	3/7/2011 5:08:48 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Chlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Chloroethane	ND	2.0		µg/L	1	3/7/2011 5:08:48 PM
Chloroform	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Chloromethane	ND	3.0		µg/L	1	3/7/2011 5:08:48 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1103171	**Collection Date:**	2/28/2011 11:32:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
cis-1,2-DCE	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/7/2011 5:08:48 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Dibromomethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/7/2011 5:08:48 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
2-Hexanone	ND	10		µg/L	1	3/7/2011 5:08:48 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/7/2011 5:08:48 PM
Methylene Chloride	ND	3.0		µg/L	1	3/7/2011 5:08:48 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Styrene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/7/2011 5:08:48 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/7/2011 5:08:48 PM
Vinyl chloride	ND	1.0		µg/L	1	3/7/2011 5:08:48 PM
Xylenes, Total	ND	1.5		µg/L	1	3/7/2011 5:08:48 PM
Surr: 1,2-Dichloroethane-d4	111	65.8-138		%REC	1	3/7/2011 5:08:48 PM

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- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1103171	**Collection Date:**	2/28/2011 11:32:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Surr: 4-Bromofluorobenzene	118	72.7-128		%REC	1	3/7/2011 5:08:48 PM
Surr: Dibromofluoromethane	115	69-135		%REC	1	3/7/2011 5:08:48 PM
Surr: Toluene-d8	110	86.1-134		%REC	1	3/7/2011 5:08:48 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1103171	**Collection Date:**	3/1/2011 9:15:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2011 4:38:13 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 4:38:13 PM
Surr: DNOP	119	86.9-151		%REC	1	3/7/2011 4:38:13 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2011 4:05:14 PM
Surr: BFB	94.0	79.4-132		%REC	1	3/7/2011 4:05:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.29	0.10		mg/L	1	3/5/2011 3:24:30 AM
Chloride	68	10		mg/L	20	3/5/2011 3:35:45 AM
Bromide	0.27	0.10		mg/L	1	3/5/2011 3:24:30 AM
Nitrate (As N)+Nitrite (As N)	1.1	1.0		mg/L	5	3/10/2011 11:40:59 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/5/2011 3:24:30 AM
Sulfate	180	10		mg/L	20	3/5/2011 3:35:45 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.037	0.0020		mg/L	1	3/17/2011 7:00:44 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 7:00:44 PM
Calcium	2.1	1.0		mg/L	1	3/17/2011 7:00:44 PM
Chromium	ND	0.0060		mg/L	1	3/17/2011 7:00:44 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 7:00:44 PM
Iron	ND	0.020		mg/L	1	3/17/2011 7:00:44 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 7:00:44 PM
Magnesium	ND	1.0		mg/L	1	3/17/2011 7:00:44 PM
Manganese	0.0041	0.0020		mg/L	1	3/17/2011 7:00:44 PM
Potassium	1.7	1.0		mg/L	1	3/17/2011 7:00:44 PM
Silver	ND	0.0050		mg/L	1	3/17/2011 7:00:44 PM
Sodium	310	5.0		mg/L	5	3/17/2011 7:06:01 PM
Zinc	ND	0.010		mg/L	1	3/17/2011 7:00:44 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.038	0.0020		mg/L	1	3/10/2011 1:10:51 PM
Cadmium	ND	0.0020		mg/L	1	3/10/2011 1:10:51 PM
Calcium	2.2	1.0		mg/L	1	3/10/2011 1:10:51 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 1:10:51 PM
Copper	ND	0.0060		mg/L	1	3/10/2011 1:10:51 PM
Iron	0.058	0.020		mg/L	1	3/10/2011 1:10:51 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 1:10:51 PM
Magnesium	ND	1.0		mg/L	1	3/10/2011 1:10:51 PM
Manganese	0.013	0.0020		mg/L	1	3/10/2011 1:10:51 PM

Qualifiers:

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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1103171	**Collection Date:**	3/1/2011 9:15:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	ND	1.0		mg/L	1	3/10/2011 1:10:51 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 1:10:51 PM
Sodium	330	5.0		mg/L	5	3/10/2011 1:17:30 PM
Zinc	ND	0.010		mg/L	1	3/10/2011 1:10:51 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	3/16/2011 12:57:17 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 12:57:17 PM
Uranium	0.032	0.0010		mg/L	1	3/16/2011 12:57:17 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	3/15/2011 4:01:38 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 4:01:38 PM
Uranium	0.053	0.0025		mg/L	2.5	3/15/2011 4:01:38 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Toluene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Ethylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Naphthalene	ND	2.0		µg/L	1	3/7/2011 5:34:46 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/7/2011 5:34:46 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/7/2011 5:34:46 PM
Acetone	ND	10		µg/L	1	3/7/2011 5:34:46 PM
Bromobenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Bromoform	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Bromomethane	ND	3.0		µg/L	1	3/7/2011 5:34:46 PM
2-Butanone	ND	10		µg/L	1	3/7/2011 5:34:46 PM
Carbon disulfide	ND	10		µg/L	1	3/7/2011 5:34:46 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Chlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Chloroethane	ND	2.0		µg/L	1	3/7/2011 5:34:46 PM
Chloroform	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Chloromethane	ND	3.0		µg/L	1	3/7/2011 5:34:46 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1103171	**Collection Date:**	3/1/2011 9:15:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
cis-1,2-DCE	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/7/2011 5:34:46 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Dibromomethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/7/2011 5:34:46 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
2-Hexanone	ND	10		µg/L	1	3/7/2011 5:34:46 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/7/2011 5:34:46 PM
Methylene Chloride	ND	3.0		µg/L	1	3/7/2011 5:34:46 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Styrene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/7/2011 5:34:46 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/7/2011 5:34:46 PM
Vinyl chloride	ND	1.0		µg/L	1	3/7/2011 5:34:46 PM
Xylenes, Total	ND	1.5		µg/L	1	3/7/2011 5:34:46 PM
Surr: 1,2-Dichloroethane-d4	113	65.8-138		%REC	1	3/7/2011 5:34:46 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1103171	**Collection Date:**	3/1/2011 9:15:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Surr: 4-Bromofluorobenzene	107	72.7-128		%REC	1	3/7/2011 5:34:46 PM
Surr: Dibromofluoromethane	113	69-135		%REC	1	3/7/2011 5:34:46 PM
Surr: Toluene-d8	110	86.1-134		%REC	1	3/7/2011 5:34:46 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1103171	**Collection Date:**	3/1/2011 12:46:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2011 5:12:31 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 5:12:31 PM
Surr: DNOP	115	86.9-151		%REC	1	3/7/2011 5:12:31 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2011 4:35:20 PM
Surr: BFB	98.3	79.4-132		%REC	1	3/7/2011 4:35:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.57	0.10		mg/L	1	3/5/2011 3:46:59 AM
Chloride	25	10		mg/L	20	3/5/2011 3:58:13 AM
Bromide	0.17	0.10		mg/L	1	3/5/2011 3:46:59 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	3/10/2011 11:29:45 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/5/2011 3:46:59 AM
Sulfate	130	10		mg/L	20	3/5/2011 3:58:13 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.36	0.0020		mg/L	1	3/17/2011 7:10:05 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 7:10:05 PM
Calcium	93	1.0		mg/L	1	3/17/2011 7:10:05 PM
Chromium	ND	0.0060		mg/L	1	3/17/2011 7:10:05 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 7:10:05 PM
Iron	0.064	0.020		mg/L	1	3/18/2011 6:21:02 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 7:10:05 PM
Magnesium	17	1.0		mg/L	1	3/17/2011 7:10:05 PM
Manganese	0.68	0.0020		mg/L	1	3/17/2011 7:10:05 PM
Potassium	2.3	1.0		mg/L	1	3/17/2011 7:10:05 PM
Silver	ND	0.0050		mg/L	1	3/17/2011 7:10:05 PM
Sodium	490	10		mg/L	10	3/18/2011 6:25:29 PM
Zinc	ND	0.010		mg/L	1	3/17/2011 7:10:05 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.027	0.0020		mg/L	1	3/10/2011 1:21:25 PM
Cadmium	ND	0.0020		mg/L	1	3/10/2011 1:21:25 PM
Calcium	4.2	1.0		mg/L	1	3/10/2011 1:21:25 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 1:21:25 PM
Copper	ND	0.0060		mg/L	1	3/10/2011 1:21:25 PM
Iron	0.35	0.020		mg/L	1	3/10/2011 1:21:25 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 1:21:25 PM
Magnesium	ND	1.0		mg/L	1	3/10/2011 1:21:25 PM
Manganese	0.044	0.0020		mg/L	1	3/10/2011 1:21:25 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
- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1103171	**Collection Date:**	3/1/2011 12:46:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	1.2	1.0		mg/L	1	3/10/2011 1:21:25 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 1:21:25 PM
Sodium	250	5.0		mg/L	5	3/10/2011 1:26:22 PM
Zinc	ND	0.010		mg/L	1	3/10/2011 1:21:25 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	3/16/2011 1:02:58 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 1:02:58 PM
Uranium	0.0071	0.0010		mg/L	1	3/16/2011 1:02:58 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	3/15/2011 4:05:14 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 4:05:14 PM
Uranium	0.0036	0.0025		mg/L	2.5	3/15/2011 4:05:14 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Acenaphthylene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Aniline	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Anthracene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Azobenzene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Benz(a)anthracene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Benzoic acid	ND	20		µg/L	1	3/8/2011 9:42:46 PM
Benzyl alcohol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/8/2011 9:42:46 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Butyl benzyl phthalate	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Carbazole	ND	10		µg/L	1	3/8/2011 9:42:46 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
4-Chloroaniline	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2-Chlorophenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Chrysene	ND	10		µg/L	1	3/8/2011 9:42:46 PM

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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1103171	**Collection Date:**	3/1/2011 12:46:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Di-n-butyl phthalate	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Dibenzofuran	ND	10		µg/L	1	3/8/2011 9:42:46 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Diethyl phthalate	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Dimethyl phthalate	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/8/2011 9:42:46 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/8/2011 9:42:46 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/8/2011 9:42:46 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Fluoranthene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Fluorene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Hexachlorobenzene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Hexachloroethane	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Isophorone	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2-Methylphenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
3+4-Methylphenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/8/2011 9:42:46 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/8/2011 9:42:46 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Naphthalene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2-Nitroaniline	ND	10		µg/L	1	3/8/2011 9:42:46 PM
3-Nitroaniline	ND	10		µg/L	1	3/8/2011 9:42:46 PM
4-Nitroaniline	ND	20		µg/L	1	3/8/2011 9:42:46 PM
Nitrobenzene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2-Nitrophenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
4-Nitrophenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Pentachlorophenol	ND	20		µg/L	1	3/8/2011 9:42:46 PM
Phenanthrene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Phenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Pyrene	ND	10		µg/L	1	3/8/2011 9:42:46 PM

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1103171	**Collection Date:**	3/1/2011 12:46:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Pyridine	ND	10		µg/L	1	3/8/2011 9:42:46 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/8/2011 9:42:46 PM
Surr: 2,4,6-Tribromophenol	110	17.5-104	S	%REC	1	3/8/2011 9:42:46 PM
Surr: 2-Fluorobiphenyl	76.5	30.9-98.9		%REC	1	3/8/2011 9:42:46 PM
Surr: 2-Fluorophenol	56.8	12.4-90.1		%REC	1	3/8/2011 9:42:46 PM
Surr: 4-Terphenyl-d14	77.4	43.5-91.9		%REC	1	3/8/2011 9:42:46 PM
Surr: Nitrobenzene-d5	79.3	26.2-108		%REC	1	3/8/2011 9:42:46 PM
Surr: Phenol-d5	51.6	11.8-73.1		%REC	1	3/8/2011 9:42:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Toluene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Ethylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Naphthalene	ND	2.0		µg/L	1	3/7/2011 6:52:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/7/2011 6:52:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/7/2011 6:52:47 PM
Acetone	ND	10		µg/L	1	3/7/2011 6:52:47 PM
Bromobenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Bromoform	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Bromomethane	ND	3.0		µg/L	1	3/7/2011 6:52:47 PM
2-Butanone	ND	10		µg/L	1	3/7/2011 6:52:47 PM
Carbon disulfide	ND	10		µg/L	1	3/7/2011 6:52:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Chlorobenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Chloroethane	ND	2.0		µg/L	1	3/7/2011 6:52:47 PM
Chloroform	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Chloromethane	ND	3.0		µg/L	1	3/7/2011 6:52:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/7/2011 6:52:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM

Qualifiers:

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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1103171	**Collection Date:**	3/1/2011 12:46:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dibromomethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/7/2011 6:52:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
2-Hexanone	ND	10		µg/L	1	3/7/2011 6:52:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/7/2011 6:52:47 PM
Methylene Chloride	ND	3.0		µg/L	1	3/7/2011 6:52:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Styrene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/7/2011 6:52:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/7/2011 6:52:47 PM
Vinyl chloride	ND	1.0		µg/L	1	3/7/2011 6:52:47 PM
Xylenes, Total	ND	1.5		µg/L	1	3/7/2011 6:52:47 PM
Surr: 1,2-Dichloroethane-d4	115	65.8-138		%REC	1	3/7/2011 6:52:47 PM
Surr: 4-Bromofluorobenzene	110	72.7-128		%REC	1	3/7/2011 6:52:47 PM
Surr: Dibromofluoromethane	115	69-135		%REC	1	3/7/2011 6:52:47 PM
Surr: Toluene-d8	107	86.1-134		%REC	1	3/7/2011 6:52:47 PM

Qualifiers:

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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1103171	**Collection Date:**	3/1/2011 12:46:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: LJB
Specific Conductance	990	0.010		µmhos/cm	1	3/7/2011 12:23:00 PM
SM4500-H+B: PH						Analyst: LJB
pH	8.42	0.100		pH units	1	3/7/2011 12:23:00 PM

Qualifiers:

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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1103171	**Collection Date:**	3/1/2011 1:40:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2011 5:46:39 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 5:46:39 PM
Surr: DNOP	119	86.9-151		%REC	1	3/7/2011 5:46:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2011 5:05:21 PM
Surr: BFB	100	79.4-132		%REC	1	3/7/2011 5:05:21 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.49	0.10		mg/L	1	3/5/2011 4:09:26 AM
Chloride	26	10		mg/L	20	3/5/2011 4:20:40 AM
Bromide	0.20	0.10		mg/L	1	3/5/2011 4:09:26 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	3/10/2011 11:18:31 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/5/2011 4:09:26 AM
Sulfate	140	10		mg/L	20	3/5/2011 4:20:40 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.039	0.0020		mg/L	1	3/17/2011 7:19:27 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 7:19:27 PM
Calcium	21	1.0		mg/L	1	3/17/2011 7:19:27 PM
Chromium	ND	0.0060		mg/L	1	3/17/2011 7:19:27 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 7:19:27 PM
Iron	ND	0.020		mg/L	1	3/17/2011 7:19:27 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 7:19:27 PM
Magnesium	3.6	1.0		mg/L	1	3/17/2011 7:19:27 PM
Manganese	0.062	0.0020		mg/L	1	3/17/2011 7:19:27 PM
Potassium	ND	1.0		mg/L	1	3/17/2011 7:19:27 PM
Silver	ND	0.0050		mg/L	1	3/17/2011 7:19:27 PM
Sodium	230	5.0		mg/L	5	3/17/2011 7:24:44 PM
Zinc	0.081	0.010		mg/L	1	3/17/2011 7:19:27 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.045	0.0020		mg/L	1	3/10/2011 1:30:19 PM
Cadmium	ND	0.0020		mg/L	1	3/10/2011 1:30:19 PM
Calcium	21	1.0		mg/L	1	3/10/2011 1:30:19 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 1:30:19 PM
Copper	ND	0.0060		mg/L	1	3/10/2011 1:30:19 PM
Iron	0.24	0.020		mg/L	1	3/10/2011 1:30:19 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 1:30:19 PM
Magnesium	3.8	1.0		mg/L	1	3/10/2011 1:30:19 PM
Manganese	0.086	0.0020		mg/L	1	3/10/2011 1:30:19 PM

Qualifiers:

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- 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1103171	**Collection Date:**	3/1/2011 1:40:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	ND	1.0		mg/L	1	3/10/2011 1:30:19 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 1:30:19 PM
Sodium	250	5.0		mg/L	5	3/10/2011 1:35:16 PM
Zinc	ND	0.010		mg/L	1	3/10/2011 1:30:19 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0026	0.0010		mg/L	1	3/16/2011 1:52:06 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 1:52:06 PM
Uranium	0.0069	0.0010		mg/L	1	3/16/2011 4:52:34 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0030	0.0025		mg/L	2.5	3/15/2011 4:08:51 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 4:08:51 PM
Uranium	0.0072	0.0025		mg/L	2.5	3/15/2011 4:08:51 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Acenaphthylene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Aniline	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Anthracene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Azobenzene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Benz(a)anthracene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Benzoic acid	ND	20		µg/L	1	3/8/2011 10:11:25 PM
Benzyl alcohol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/8/2011 10:11:25 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Butyl benzyl phthalate	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Carbazole	ND	10		µg/L	1	3/8/2011 10:11:25 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
4-Chloroaniline	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2-Chlorophenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Chrysene	ND	10		µg/L	1	3/8/2011 10:11:25 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1103171	**Collection Date:**	3/1/2011 1:40:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Di-n-butyl phthalate	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Dibenzofuran	ND	10		µg/L	1	3/8/2011 10:11:25 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Diethyl phthalate	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Dimethyl phthalate	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/8/2011 10:11:25 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/8/2011 10:11:25 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/8/2011 10:11:25 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Fluoranthene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Fluorene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Hexachlorobenzene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Hexachloroethane	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Isophorone	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2-Methylphenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
3+4-Methylphenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/8/2011 10:11:25 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/8/2011 10:11:25 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Naphthalene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2-Nitroaniline	ND	10		µg/L	1	3/8/2011 10:11:25 PM
3-Nitroaniline	ND	10		µg/L	1	3/8/2011 10:11:25 PM
4-Nitroaniline	ND	20		µg/L	1	3/8/2011 10:11:25 PM
Nitrobenzene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2-Nitrophenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
4-Nitrophenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Pentachlorophenol	ND	20		µg/L	1	3/8/2011 10:11:25 PM
Phenanthrene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Phenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Pyrene	ND	10		µg/L	1	3/8/2011 10:11:25 PM

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CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-50
Lab Order: 1103171
Collection Date: 3/1/2011 1:40:00 PM
Project: 1st QTR 2011
Date Received: 3/3/2011
Lab ID: 1103171-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Pyridine	ND	10		µg/L	1	3/8/2011 10:11:25 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/8/2011 10:11:25 PM
Surr: 2,4,6-Tribromophenol	120	17.5-104	S	%REC	1	3/8/2011 10:11:25 PM
Surr: 2-Fluorobiphenyl	71.1	30.9-98.9		%REC	1	3/8/2011 10:11:25 PM
Surr: 2-Fluorophenol	52.2	12.4-90.1		%REC	1	3/8/2011 10:11:25 PM
Surr: 4-Terphenyl-d14	66.3	43.5-91.9		%REC	1	3/8/2011 10:11:25 PM
Surr: Nitrobenzene-d5	71.3	26.2-108		%REC	1	3/8/2011 10:11:25 PM
Surr: Phenol-d5	46.3	11.8-73.1		%REC	1	3/8/2011 10:11:25 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Toluene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Ethylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Naphthalene	ND	2.0		µg/L	1	3/10/2011 4:33:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/10/2011 4:33:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/10/2011 4:33:38 PM
Acetone	ND	10		µg/L	1	3/10/2011 4:33:38 PM
Bromobenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Bromoform	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Bromomethane	ND	3.0		µg/L	1	3/10/2011 4:33:38 PM
2-Butanone	ND	10		µg/L	1	3/10/2011 4:33:38 PM
Carbon disulfide	ND	10		µg/L	1	3/10/2011 4:33:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Chlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Chloroethane	ND	2.0		µg/L	1	3/10/2011 4:33:38 PM
Chloroform	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Chloromethane	ND	3.0		µg/L	1	3/10/2011 4:33:38 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/10/2011 4:33:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM

Qualifiers:

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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1103171	**Collection Date:**	3/1/2011 1:40:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dibromomethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/10/2011 4:33:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
2-Hexanone	ND	10		µg/L	1	3/10/2011 4:33:38 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/10/2011 4:33:38 PM
Methylene Chloride	ND	3.0		µg/L	1	3/10/2011 4:33:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Styrene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/10/2011 4:33:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/10/2011 4:33:38 PM
Vinyl chloride	ND	1.0		µg/L	1	3/10/2011 4:33:38 PM
Xylenes, Total	ND	1.5		µg/L	1	3/10/2011 4:33:38 PM
Surr: 1,2-Dichloroethane-d4	109	65.8-138		%REC	1	3/10/2011 4:33:38 PM
Surr: 4-Bromofluorobenzene	116	72.7-128		%REC	1	3/10/2011 4:33:38 PM
Surr: Dibromofluoromethane	95.8	69-135		%REC	1	3/10/2011 4:33:38 PM
Surr: Toluene-d8	110	86.1-134		%REC	1	3/10/2011 4:33:38 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1103171	**Collection Date:**	3/1/2011 1:40:00 PM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	1000	0.010		µmhos/cm	1	3/7/2011 12:08:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.30	0.100		pH units	1	3/7/2011 12:08:00 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1103171	**Collection Date:**	2/28/2011 11:00:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Toluene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Ethylbenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2,4-Trimethylbenzene	2.5	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,3,5-Trimethylbenzene	1.2	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Naphthalene	ND	2.0		µg/L	1	3/10/2011 4:59:35 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/10/2011 4:59:35 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/10/2011 4:59:35 PM
Acetone	ND	10		µg/L	1	3/10/2011 4:59:35 PM
Bromobenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Bromoform	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Bromomethane	ND	3.0		µg/L	1	3/10/2011 4:59:35 PM
2-Butanone	ND	10		µg/L	1	3/10/2011 4:59:35 PM
Carbon disulfide	ND	10		µg/L	1	3/10/2011 4:59:35 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Chlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Chloroethane	ND	2.0		µg/L	1	3/10/2011 4:59:35 PM
Chloroform	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Chloromethane	ND	3.0		µg/L	1	3/10/2011 4:59:35 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/10/2011 4:59:35 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Dibromomethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/10/2011 4:59:35 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/10/2011 4:59:35 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1103171	**Collection Date:**	2/28/2011 11:00:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/10/2011 4:59:35 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/10/2011 4:59:35 PM
Methylene Chloride	ND	3.0		µg/L	1	3/10/2011 4:59:35 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Styrene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/10/2011 4:59:35 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/10/2011 4:59:35 PM
Vinyl chloride	ND	1.0		µg/L	1	3/10/2011 4:59:35 PM
Xylenes, Total	ND	1.5		µg/L	1	3/10/2011 4:59:35 PM
Surr: 1,2-Dichloroethane-d4	102	65.8-138		%REC	1	3/10/2011 4:59:35 PM
Surr: 4-Bromofluorobenzene	122	72.7-128		%REC	1	3/10/2011 4:59:35 PM
Surr: Dibromofluoromethane	106	69-135		%REC	1	3/10/2011 4:59:35 PM
Surr: Toluene-d8	112	86.1-134		%REC	1	3/10/2011 4:59:35 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
- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1103171	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103171-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2011 6:35:46 PM
Surr: BFB	95.4	79.4-132		%REC	1	3/7/2011 6:35:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Toluene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Ethylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Naphthalene	ND	2.0		µg/L	1	3/10/2011 5:25:36 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/10/2011 5:25:36 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/10/2011 5:25:36 PM
Acetone	ND	10		µg/L	1	3/10/2011 5:25:36 PM
Bromobenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Bromoform	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Bromomethane	ND	3.0		µg/L	1	3/10/2011 5:25:36 PM
2-Butanone	ND	10		µg/L	1	3/10/2011 5:25:36 PM
Carbon disulfide	ND	10		µg/L	1	3/10/2011 5:25:36 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Chlorobenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Chloroethane	ND	2.0		µg/L	1	3/10/2011 5:25:36 PM
Chloroform	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Chloromethane	ND	3.0		µg/L	1	3/10/2011 5:25:36 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/10/2011 5:25:36 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Dibromomethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: TRIP BLANK
Lab Order: 1103171
Collection Date:
Project: 1st QTR 2011
Date Received: 3/3/2011
Lab ID: 1103171-06
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
1,3-Dichloropropane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/10/2011 5:25:36 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
2-Hexanone	ND	10		µg/L	1	3/10/2011 5:25:36 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/10/2011 5:25:36 PM
Methylene Chloride	ND	3.0		µg/L	1	3/10/2011 5:25:36 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Styrene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/10/2011 5:25:36 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/10/2011 5:25:36 PM
Vinyl chloride	ND	1.0		µg/L	1	3/10/2011 5:25:36 PM
Xylenes, Total	ND	1.5		µg/L	1	3/10/2011 5:25:36 PM
Surr: 1,2-Dichloroethane-d4	104	65.8-138		%REC	1	3/10/2011 5:25:36 PM
Surr: 4-Bromofluorobenzene	123	72.7-128		%REC	1	3/10/2011 5:25:36 PM
Surr: Dibromofluoromethane	108	69-135		%REC	1	3/10/2011 5:25:36 PM
Surr: Toluene-d8	113	86.1-134		%REC	1	3/10/2011 5:25:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-25895		*MBLK*				Batch ID: **25895**		Analysis Date: 3/10/2011 11:34:17 AM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-25744		*MBLK*				Batch ID: **R44178**		Analysis Date: 3/17/2011 6:03:13 PM			
Zinc	ND	mg/L	0.010								
Sample ID: LCS-25895		*LCS*				Batch ID: **25895**		Analysis Date: 3/10/2011 11:38:15 AM			
Arsenic	0.5046	mg/L	0.020	0.5	0	101	85	115			
Barium	0.4636	mg/L	0.0020	0.5	0	92.7	85	115			
Cadmium	0.4804	mg/L	0.0020	0.5	0	96.1	85	115			
Calcium	50.20	mg/L	1.0	50.5	0	99.4	85	115			
Chromium	0.4996	mg/L	0.0060	0.5	0	99.9	85	115			
Copper	0.5422	mg/L	0.0060	0.5	0	108	85	115			
Iron	0.4695	mg/L	0.020	0.5	0	93.9	85	115			
Lead	0.4779	mg/L	0.0050	0.5	0	95.6	85	115			
Magnesium	51.68	mg/L	1.0	50.5	0	102	85	115			
Manganese	0.4887	mg/L	0.0020	0.5	0	97.7	85	115			
Potassium	54.27	mg/L	1.0	55	0	98.7	85	115			
Selenium	0.4603	mg/L	0.050	0.5	0	92.1	85	115			
Silver	0.4975	mg/L	0.0050	0.5	0	99.5	85	115			
Sodium	50.69	mg/L	1.0	50.5	0	100	85	115			
Zinc	0.4711	mg/L	0.010	0.5	0	94.2	85	115			

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

Cli Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 5:53:56 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:24:22 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Cc	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 5:58:56 PM		
Barium	0.4694	mg/L	0.0020	0.5	0	93.9	85	115			
Cadmium	0.4840	mg/L	0.0020	0.5	0	96.8	85	115			
Chromium	0.4993	mg/L	0.0060	0.5	0	99.9	85	115			
Copper	0.5129	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5457	mg/L	0.020	0.5	0	109	85	115			
Lead	0.4881	mg/L	0.0050	0.5	0	97.6	85	115			
Manganese	0.4865	mg/L	0.0020	0.5	0	97.3	85	115			
Silver	0.5086	mg/L	0.0050	0.5	0	102	85	115			
Zinc	0.4965	mg/L	0.010	0.5	0	99.3	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44178**	Analysis Date:	3/18/2011 12:31:05 PM		
Calcium	54.78	mg/L	1.0	50.5	0.0077	108	85	115			
Magnesium	55.99	mg/L	1.0	50.5	0	111	85	115			
Potassium	57.37	mg/L	1.0	55	0	104	85	115			
Sodium	53.78	mg/L	1.0	50.5	0	106	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:28:29 PM		

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:28:29 PM		
Barium	0.4515	mg/L	0.0020	0.5	0	90.3	85	115			
Cadmium	0.4810	mg/L	0.0020	0.5	0	96.2	85	115			
Chromium	0.4844	mg/L	0.0060	0.5	0	96.9	85	115			
Copper	0.4840	mg/L	0.0060	0.5	0	96.8	85	115			
Iron	0.5538	mg/L	0.020	0.5	0.0103	109	85	115			
Lead	0.4750	mg/L	0.0050	0.5	0	95.0	85	115			
Manganese	0.4631	mg/L	0.0020	0.5	0	92.6	85	115			
Silver	0.4859	mg/L	0.0050	0.5	0	97.2	85	115			
Zinc	0.4760	mg/L	0.010	0.5	0	95.2	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R44098**	Analysis Date:	3/14/2011 12:37:26 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R44119**	Analysis Date:	3/15/2011 11:40:02 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:23:17 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R44098**	Analysis Date:	3/14/2011 12:43:05 PM		
Uranium	0.02615	mg/L	0.0010	0.025	0	105	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44119**	Analysis Date:	3/15/2011 11:43:25 AM		
Arsenic	0.02403	mg/L	0.0010	0.025	0	96.1	85	115			
Selenium	0.02430	mg/L	0.0010	0.025	1E-04	96.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:28:56 PM		
Arsenic	0.02512	mg/L	0.0010	0.025	0	100	85	115			
Selenium	0.02549	mg/L	0.0010	0.025	9E-05	102	85	115			
Uranium	0.02425	mg/L	0.0010	0.025	0	97.0	85	115			
Sample ID: 1103171-04FMS		*MS*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 1:57:47 PM		
Arsenic	0.02776	mg/L	0.0010	0.025	0.0026	101	70	130			
Selenium	ND	mg/L	0.050	0.025	0.0014	100	70	130			
Sample ID: 1103171-04FMS		*MS*				Batch ID:	**R44140**	Analysis Date:	3/16/2011 4:55:45 PM		
Uranium	0.03232	mg/L	0.0010	0.025	0.0069	102	70	130			

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

C Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-25895		*MBLK*				Batch ID:	**25895**	Analysis Date:	3/10/2011 5:03:00 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB-25895		*MBLK*				Batch ID:	**25895**	Analysis Date:	3/15/2011 2:30:45 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:23:17 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS-25895		*LCS*				Batch ID:	**25895**	Analysis Date:	3/10/2011 5:09:00 PM		
Arsenic	0.05104	mg/L	0.0025	0.02	0.0510	0	85	115			BS
C m	0.04711	mg/L	0.0025	0.02	0.0471	0	85	115			BS
L	0.05399	mg/L	0.0025	0.02	0.054	0	85	115			BS
Selenium	0.05199	mg/L	0.0025	0.02	0.052	0	85	115			BS
Uranium	0.05361	mg/L	0.0025	0.02	0.0536	0	85	115			BS
Sample ID: LCS		*LCS*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:28:56 PM		
Arsenic	0.02512	mg/L	0.0010	0.025	0	100	85	115			
Selenium	0.02549	mg/L	0.0010	0.025	0	102	85	115			
Uranium	0.02425	mg/L	0.0010	0.025	0	97.0	85	115			

ifiers:

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R43961**	Analysis Date:	3/4/2011 3:28:57 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R43961**	Analysis Date:	3/5/2011 1:32:10 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:	3/10/2011 1:15:48 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:	3/11/2011 3:36:53 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R43961**	Analysis Date:	3/4/2011 3:40:11 PM		
Fluoride	0.4953	mg/L	0.10	0.5	0	99.1	90	110			
Chloride	4.891	mg/L	0.50	5	0	97.8	90	110			
Bromide	2.485	mg/L	0.10	2.5	0	99.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.429	mg/L	0.20	3.5	0	98.0	90	110			
Phosphorus, Orthophosphate (As P)	4.848	mg/L	0.50	5	0	97.0	90	110			
Sulfate	10.12	mg/L	0.50	10	0.1395	99.8	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R43961**	Analysis Date:	3/5/2011 1:43:24 AM		
Fluoride	0.4991	mg/L	0.10	0.5	0	99.8	90	110			
Chloride	4.891	mg/L	0.50	5	0	97.8	90	110			
Bromide	2.521	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.424	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.918	mg/L	0.50	5	0	98.4	90	110			
Sulfate	9.928	mg/L	0.50	10	0	99.3	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:	3/10/2011 1:27:03 PM		
Fluoride	0.4980	mg/L	0.10	0.5	0	99.6	90	110			
Chloride	5.030	mg/L	0.50	5	0	101	90	110			
Bromide	2.566	mg/L	0.10	2.5	0	103	90	110			

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

Cl Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:		3/10/2011 1:27:03 PM	
Nitrate (As N)+Nitrite (As N)	3.512	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.964	mg/L	0.50	5	0	99.3	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:		3/11/2011 3:48:07 AM	
Fluoride	0.5081	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.953	mg/L	0.50	5	0	99.1	90	110			
Phosphorus, Orthophosphate (As P)	5.004	mg/L	0.50	5	0	100	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25850		*MBLK*				Batch ID:	**25850**	Analysis Date:		3/7/2011 12:05:25 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25850		*LCS*				Batch ID:	**25850**	Analysis Date:		3/7/2011 12:39:33 PM	
Diesel Range Organics (DRO)	5.749	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-25850		*LCSD*				Batch ID:	**25850**	Analysis Date:		3/7/2011 1:13:42 PM	
Diesel Range Organics (DRO)	6.209	mg/L	1.0	5	0	124	74	157	7.70	23	
M **EPA Method 8015B: Gasoline Range**											
Sa. . ID: **b 5**		*MBLK*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 11:29:09 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 9:06:32 PM	
Gasoline Range Organics (GRO)	0.5228	mg/L	0.050	0.5	0	105	81.8	120			

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1103171-02a msd		*MSD*				Batch ID: **R43978**		Analysis Date:		3/7/2011 6:26:44 PM	
Benzene	17.95	µg/L	1.0	20	0	89.7	82	118	12.5	17.1	
Toluene	16.96	µg/L	1.0	20	0	84.8	81.1	122	18.2	16.1	R
Chlorobenzene	17.94	µg/L	1.0	20	0	89.7	78.8	114	9.66	15.5	
1,1-Dichloroethene	18.91	µg/L	1.0	20	0	94.6	89	126	12.5	15.8	
Trichloroethene (TCE)	16.87	µg/L	1.0	20	0	84.4	73.9	114	14.5	19.6	
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R43978**		Analysis Date:		3/7/2011 9:16:59 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Cli Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R43978**		Analysis Date:	3/7/2011 9:16:59 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1, hlorobenzene	ND	µg/L	1.0								
1,2, ichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R44116**		Analysis Date:	3/10/2011 10:20:58 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
B methane	ND	µg/L	3.0								

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R44116**		Analysis Date: 3/10/2011 10:20:58 AM		
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R44116**		Analysis Date: 3/10/2011 10:20:58 AM			
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*				Batch ID: **R44116**		Analysis Date: 3/10/2011 10:40:23 PM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Br[illegible]nzene	ND	µg/L	1.0								
Bro[illegible]chloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,[illegible]loropropane	ND	µg/L	1.0								

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID: **R44116**		Analysis Date:	3/10/2011 10:40:23 PM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID: **R43978**		Analysis Date:	3/7/2011 10:09:33 AM		
Benzene	21.28	µg/L	1.0	20	0	106	85.2	121			
Toluene	19.79	µg/L	1.0	20	0	98.9	88.3	121			
Chlorobenzene	20.68	µg/L	1.0	20	0	103	91.9	110			
1,1-Dichloroethene	23.66	µg/L	1.0	20	0	118	91.5	134			
Trichloroethene (TCE)	21.34	µg/L	1.0	20	0	107	78.3	102			S
Sample ID: 100ng lcs		*LCS*				Batch ID: **R44116**		Analysis Date:	3/10/2011 11:17:10 AM		
Benzene	22.54	µg/L	1.0	20	0	113	85.2	121			
Toluene	22.61	µg/L	1.0	20	0	113	88.3	121			
Chlorobenzene	23.16	µg/L	1.0	20	0	116	91.9	110			S
1,1-Dichloroethene	24.08	µg/L	1.0	20	0	120	91.5	134			
Trichloroethene (TCE)	21.64	µg/L	1.0	20	0	108	78.3	102			S
Sample ID: 100ng lcs2		*LCS*				Batch ID: **R44116**		Analysis Date:	3/10/2011 11:32:06 PM		
Benzene	21.81	µg/L	1.0	20	0	109	85.2	121			
Toluene	20.92	µg/L	1.0	20	0	105	88.3	121			
Chlorobenzene	22.00	µg/L	1.0	20	0	110	91.9	110			
1,1-Dichloroethene	23.80	µg/L	1.0	20	0	119	91.5	134			

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

Cli Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R44116**	Analysis Date:		3/10/2011 11:32:06 PM	
Trichloroethene (TCE)	20.98	µg/L	1.0	20	0	105	78.3	102			S
Sample ID: 1103171-02a ms		*MS*				Batch ID:	**R43978**	Analysis Date:		3/7/2011 6:00:46 PM	
Benzene	20.33	µg/L	1.0	20	0	102	82	118			
Toluene	20.35	µg/L	1.0	20	0	102	81.1	122			
Chlorobenzene	19.77	µg/L	1.0	20	0	98.8	78.8	114			
1,1-Dichloroethene	21.44	µg/L	1.0	20	0	107	89	126			
Trichloroethene (TCE)	19.51	µg/L	1.0	20	0	97.6	73.9	114			

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25868		*MBLK*				Batch ID: **25868**		Analysis Date:		3/8/2011 2:28:25 PM	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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

Cl. Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25868		*MBLK*				Batch ID:	**25868**	Analysis Date:		3/8/2011 2:28:25 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-[illegible]henol	ND	µg/L	10								
[illegible]orophenol	ND	µg/L	20								
P[illegible]ithrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-25868		*LCS*				Batch ID:	**25868**	Analysis Date:		3/8/2011 8:45:26 PM	
Acenaphthene	74.32	µg/L	10	100	0	74.3	31	99.4			
4-Chloro-3-methylphenol	169.6	µg/L	10	200	0	84.8	34.3	111			
2-Chlorophenol	136.9	µg/L	10	200	0	68.4	24.1	98.7			
1,4-Dichlorobenzene	58.76	µg/L	10	100	0	58.8	20.6	85.6			
2,4-Dinitrotoluene	68.76	µg/L	10	100	0	68.8	26.6	126			
N-Nitrosodi-n-propylamine	67.76	µg/L	10	100	0	67.8	29.2	94.4			
4-Nitrophenol	157.1	µg/L	10	200	0	78.5	9.87	86			
Pentachlorophenol	193.9	µg/L	20	200	0	96.9	20	97.8			
Phenol	92.18	µg/L	10	200	0	46.1	17.5	60.5			
Pyrene	64.04	µg/L	10	100	0	64.0	46.8	92.2			
1,2,4-Trichlorobenzene	61.48	µg/L	10	100	0	61.5	25.2	92.3			
Sample ID: lcsd-25868		*LCSD*				Batch ID:	**25868**	Analysis Date:		3/8/2011 9:14:03 PM	
Acenaphthene	74.26	µg/L	10	100	0	74.3	31	99.4	0.0808	30	
4-Chloro-3-methylphenol	154.4	µg/L	10	200	0	77.2	34.3	111	9.41	30.8	
2-Chlorophenol	136.5	µg/L	10	200	0	68.3	24.1	98.7	0.249	31	
1,4-Dichlorobenzene	59.48	µg/L	10	100	0	59.5	20.6	85.6	1.22	37	
[illegible]itrotoluene	71.16	µg/L	10	100	0	71.2	26.6	126	3.43	34.5	

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: 1st QTR 2011 **Work Order:** 1103171

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-25868		*LCSD*				**Batch ID: 25868**		**Analysis Date: 3/8/2011 9:14:03 PM**			
N-Nitrosodi-n-propylamine	69.88	µg/L	10	100	0	69.9	29.2	94.4	3.08	30.8	
4-Nitrophenol	149.0	µg/L	10	200	0	74.5	9.87	86	5.25	61.1	
Pentachlorophenol	190.3	µg/L	20	200	0	95.2	20	97.8	1.83	64.8	
Phenol	89.80	µg/L	10	200	0	44.9	17.5	60.5	2.62	31.4	
Pyrene	64.38	µg/L	10	100	0	64.4	46.8	92.2	0.530	29.8	
1,2,4-Trichlorobenzene	62.92	µg/L	10	100	0	62.9	25.2	92.3	2.32	30.9	

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name: WESTERN REFINING GALLU Date Received: 3/3/2011

Work Order Number: 1103171 Received by: MMG

Checklist completed by: Signature 3/3/11 Date Sample ID labels checked by: dam Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
- VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
- Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.5°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12

(<2) >12 unless noted below.

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

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: 1ST QTR 2011

Project #: OW Wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5°

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. 1103471	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) + MTBE	8270 (Semi-VOA)	Methods - Total	- Dissolved	Mg pr Cations, Anions	GenChem	Air Bubbles (Y or N)
2/28/11	1132	H2O	OW-10			-1			X							X		X	X	X		
3/1/11	0915		OW-1			-2			X							X		X	X	X		
/	1246		OW-52			-3			X							X	X	X	X		X	
/	1340		OW-50			-4			X							X	X	X	X		X	
2/28/11	1100		Field Blank			-5																
			TRIP Blank			-6																

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/1/11	1445		Michelle Gee	3/3/11	10:30
3/2/11	1140				

Remarks: GenChem: Cations, Anions, pH Spec Cond.

If neces... samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. ...erves as notice of this possibility. Any sub-contracted data will be clearly notated on the analy... ...ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, March 17, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 1st QTR 2011

Order No.: 1102588

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 2/18/2011 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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1102588	**Collection Date:**	2/16/2011 1:33:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.4	1.0		mg/L	1	2/21/2011 7:56:45 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/21/2011 7:56:45 PM
Surr: DNOP	108	86.9-151		%REC	1	2/21/2011 7:56:45 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.70	0.050		mg/L	1	2/19/2011 3:16:00 AM
Surr: BFB	714	79.4-132	S	%REC	1	2/19/2011 3:16:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.8	0.10		mg/L	1	2/18/2011 11:52:22 PM
Chloride	1400	50		mg/L	100	2/22/2011 5:36:07 AM
Bromide	2.5	0.10		mg/L	1	2/18/2011 11:52:22 PM
Nitrate (As N)+Nitrite (As N)	2.1	2.0		mg/L	10	2/22/2011 6:09:49 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	2/18/2011 11:52:22 PM
Sulfate	47	10		mg/L	20	2/19/2011 12:09:46 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.95	0.010		mg/L	5	3/1/2011 7:52:54 PM
Cadmium	ND	0.010		mg/L	5	3/1/2011 7:52:54 PM
Calcium	310	5.0		mg/L	5	3/1/2011 7:52:54 PM
Chromium	ND	0.030		mg/L	5	3/1/2011 7:52:54 PM
Copper	ND	0.030		mg/L	5	3/1/2011 7:52:54 PM
Iron	14	1.0		mg/L	50	3/3/2011 12:58:53 PM
Lead	ND	0.025		mg/L	5	3/1/2011 7:52:54 PM
Magnesium	73	5.0		mg/L	5	3/1/2011 7:52:54 PM
Manganese	2.9	0.010		mg/L	5	3/1/2011 7:52:54 PM
Potassium	6.4	5.0		mg/L	5	3/1/2011 7:52:54 PM
Silver	ND	0.025		mg/L	5	3/1/2011 7:52:54 PM
Sodium	1200	50		mg/L	50	3/3/2011 12:58:53 PM
Zinc	ND	0.050		mg/L	5	3/1/2011 7:52:54 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.94	0.0020		mg/L	1	2/21/2011 2:45:58 PM
Cadmium	ND	0.0020		mg/L	1	2/21/2011 2:45:58 PM
Calcium	310	5.0		mg/L	5	2/21/2011 2:56:16 PM
Chromium	ND	0.0060		mg/L	1	2/21/2011 2:45:58 PM
Copper	0.0089	0.0060		mg/L	1	2/21/2011 2:45:58 PM
Iron	17	0.40		mg/L	20	2/21/2011 3:23:45 PM
Lead	0.0098	0.0050		mg/L	1	2/21/2011 2:45:58 PM
Magnesium	71	1.0		mg/L	1	2/21/2011 2:45:58 PM
Manganese	3.0	0.010		mg/L	5	2/21/2011 2:56:16 PM

Qualifiers:

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- POL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1102588	**Collection Date:**	2/16/2011 1:33:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	4.3	1.0		mg/L	1	2/21/2011 2:45:58 PM
Silver	ND	0.0050		mg/L	1	2/21/2011 2:45:58 PM
Sodium	1200	20		mg/L	20	2/21/2011 3:23:45 PM
Zinc	0.038	0.010		mg/L	1	2/21/2011 2:45:58 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.15	0.0050		mg/L	5	2/23/2011 11:45:11 AM
Selenium	0.014	0.0050		mg/L	5	2/23/2011 11:45:11 AM
Uranium	0.013	0.0020		mg/L	2	2/22/2011 12:44:01 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.16	0.0050		mg/L	5	2/23/2011 2:33:02 PM
Selenium	0.020	0.0025		mg/L	2.5	2/23/2011 2:17:27 PM
Uranium	0.015	0.0025		mg/L	2.5	2/23/2011 2:17:27 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	3/10/2011 11:16:29 AM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	9.5	1.0		µg/L	1	2/22/2011 3:54:32 AM
Toluene	3.4	1.0		µg/L	1	2/22/2011 3:54:32 AM
Ethylbenzene	5.4	1.0		µg/L	1	2/22/2011 3:54:32 AM
Methyl tert-butyl ether (MTBE)	57	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2,4-Trimethylbenzene	8.0	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Naphthalene	ND	2.0		µg/L	1	2/22/2011 3:54:32 AM
1-Methylnaphthalene	10	4.0		µg/L	1	2/22/2011 3:54:32 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 3:54:32 AM
Acetone	ND	10		µg/L	1	2/22/2011 3:54:32 AM
Bromobenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Bromodichloromethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Bromoform	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Bromomethane	ND	3.0		µg/L	1	2/22/2011 3:54:32 AM
2-Butanone	ND	10		µg/L	1	2/22/2011 3:54:32 AM
Carbon disulfide	ND	10		µg/L	1	2/22/2011 3:54:32 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Chlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Chloroethane	ND	2.0		µg/L	1	2/22/2011 3:54:32 AM
Chloroform	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM

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- 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: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1102588	**Collection Date:**	2/16/2011 1:33:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Chloromethane	ND	3.0		µg/L	1	2/22/2011 3:54:32 AM
2-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
4-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
cis-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/22/2011 3:54:32 AM
Dibromochloromethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Dibromomethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/22/2011 3:54:32 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
2-Hexanone	ND	10		µg/L	1	2/22/2011 3:54:32 AM
Isopropylbenzene	1.4	1.0		µg/L	1	2/22/2011 3:54:32 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/22/2011 3:54:32 AM
Methylene Chloride	ND	3.0		µg/L	1	2/22/2011 3:54:32 AM
n-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
n-Propylbenzene	1.8	1.0		µg/L	1	2/22/2011 3:54:32 AM
sec-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Styrene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
tert-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/22/2011 3:54:32 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
trans-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/22/2011 3:54:32 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
POL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1102588	**Collection Date:**	2/16/2011 1:33:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Vinyl chloride	ND	1.0		µg/L	1	2/22/2011 3:54:32 AM
Xylenes, Total	23	1.5		µg/L	1	2/22/2011 3:54:32 AM
Surr: 1,2-Dichloroethane-d4	112	77.7-113		%REC	1	2/22/2011 3:54:32 AM
Surr: 4-Bromofluorobenzene	106	76.4-106		%REC	1	2/22/2011 3:54:32 AM
Surr: Dibromofluoromethane	104	91.6-125		%REC	1	2/22/2011 3:54:32 AM
Surr: Toluene-d8	118	92.3-107	S	%REC	1	2/22/2011 3:54:32 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 recove limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1102588	**Collection Date:**	2/16/2011 2:00:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/21/2011 8:30:48 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/21/2011 8:30:48 PM
Surr: DNOP	106	86.9-151		%REC	1	2/21/2011 8:30:48 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2011 4:13:45 AM
Surr: BFB	143	79.4-132	S	%REC	1	2/19/2011 4:13:45 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.43	0.10		mg/L	1	2/19/2011 12:27:11 AM
Chloride	910	50		mg/L	100	2/22/2011 5:47:22 AM
Bromide	3.3	0.10		mg/L	1	2/19/2011 12:27:11 AM
Nitrate (As N)+Nitrite (As N)	2.6	2.0		mg/L	10	2/22/2011 6:21:03 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	2/19/2011 12:27:11 AM
Sulfate	660	10		mg/L	20	2/19/2011 12:44:36 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	460	20		mg/L	20	2/21/2011 3:28:09 PM
Magnesium	74	1.0		mg/L	1	2/21/2011 3:02:42 PM
Potassium	3.7	1.0		mg/L	1	2/21/2011 3:02:42 PM
Sodium	1000	20		mg/L	20	2/21/2011 3:28:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Toluene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Ethylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Methyl tert-butyl ether (MTBE)	8.3	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Naphthalene	ND	2.0		µg/L	1	2/22/2011 4:20:26 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 4:20:26 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 4:20:26 AM
Acetone	ND	10		µg/L	1	2/22/2011 4:20:26 AM
Bromobenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Bromodichloromethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Bromoform	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Bromomethane	ND	3.0		µg/L	1	2/22/2011 4:20:26 AM
2-Butanone	ND	10		µg/L	1	2/22/2011 4:20:26 AM
Carbon disulfide	ND	10		µg/L	1	2/22/2011 4:20:26 AM

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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- [illegible]antitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1102588	**Collection Date:**	2/16/2011 2:00:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Carbon Tetrachloride	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Chlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Chloroethane	ND	2.0		µg/L	1	2/22/2011 4:20:26 AM
Chloroform	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Chloromethane	ND	3.0		µg/L	1	2/22/2011 4:20:26 AM
2-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
4-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
cis-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/22/2011 4:20:26 AM
Dibromochloromethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Dibromomethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/22/2011 4:20:26 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
2-Hexanone	ND	10		µg/L	1	2/22/2011 4:20:26 AM
Isopropylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/22/2011 4:20:26 AM
Methylene Chloride	ND	3.0		µg/L	1	2/22/2011 4:20:26 AM
n-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
n-Propylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
sec-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Styrene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
tert-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/22/2011 4:20:26 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
trans-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1102588	**Collection Date:**	2/16/2011 2:00:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/22/2011 4:20:26 AM
Vinyl chloride	ND	1.0		µg/L	1	2/22/2011 4:20:26 AM
Xylenes, Total	ND	1.5		µg/L	1	2/22/2011 4:20:26 AM
Surr: 1,2-Dichloroethane-d4	112	77.7-113		%REC	1	2/22/2011 4:20:26 AM
Surr: 4-Bromofluorobenzene	103	76.4-106		%REC	1	2/22/2011 4:20:26 AM
Surr: Dibromofluoromethane	97.5	91.6-125		%REC	1	2/22/2011 4:20:26 AM
Surr: Toluene-d8	114	92.3-107	S	%REC	1	2/22/2011 4:20:26 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1102588	**Collection Date:**	2/16/2011 2:21:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/21/2011 9:04:51 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/21/2011 9:04:51 PM
Surr: DNOP	109	86.9-151		%REC	1	2/21/2011 9:04:51 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2011 4:42:38 AM
Surr: BFB	96.5	79.4-132		%REC	1	2/19/2011 4:42:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	4.2	2.0		mg/L	20	2/18/2011 10:42:43 PM
Chloride	1100	50		mg/L	100	2/22/2011 5:58:36 AM
Bromide	2.1	0.10		mg/L	1	2/18/2011 10:25:19 PM
Nitrate (As N)+Nitrite (As N)	61	2.0		mg/L	10	2/22/2011 6:32:18 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	2/18/2011 10:25:19 PM
Sulfate	1900	50		mg/L	100	2/22/2011 5:58:36 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	450	5.0		mg/L	5	2/21/2011 3:18:40 PM
Magnesium	81	1.0		mg/L	1	2/21/2011 3:09:41 PM
Potassium	7.9	1.0		mg/L	1	2/21/2011 3:09:41 PM
Sodium	1200	20		mg/L	20	2/21/2011 3:32:18 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Toluene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Ethylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Methyl tert-butyl ether (MTBE)	8.1	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Naphthalene	ND	2.0		µg/L	1	2/22/2011 4:46:27 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 4:46:27 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 4:46:27 AM
Acetone	ND	10		µg/L	1	2/22/2011 4:46:27 AM
Bromobenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Bromodichloromethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Bromoform	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Bromomethane	ND	3.0		µg/L	1	2/22/2011 4:46:27 AM
2-Butanone	ND	10		µg/L	1	2/22/2011 4:46:27 AM
Carbon disulfide	ND	10		µg/L	1	2/22/2011 4:46:27 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
- 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: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1102588	**Collection Date:**	2/16/2011 2:21:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Carbon Tetrachloride	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Chlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Chloroethane	ND	2.0		µg/L	1	2/22/2011 4:46:27 AM
Chloroform	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Chloromethane	ND	3.0		µg/L	1	2/22/2011 4:46:27 AM
2-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
4-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
cis-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/22/2011 4:46:27 AM
Dibromochloromethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Dibromomethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/22/2011 4:46:27 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
2-Hexanone	ND	10		µg/L	1	2/22/2011 4:46:27 AM
Isopropylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/22/2011 4:46:27 AM
Methylene Chloride	ND	3.0		µg/L	1	2/22/2011 4:46:27 AM
n-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
n-Propylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
sec-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Styrene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
tert-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/22/2011 4:46:27 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
trans-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 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
- 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: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1102588	**Collection Date:**	2/16/2011 2:21:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/22/2011 4:46:27 AM
Vinyl chloride	ND	1.0		µg/L	1	2/22/2011 4:46:27 AM
Xylenes, Total	ND	1.5		µg/L	1	2/22/2011 4:46:27 AM
Surr: 1,2-Dichloroethane-d4	108	77.7-113		%REC	1	2/22/2011 4:46:27 AM
Surr: 4-Bromofluorobenzene	107	76.4-106	S	%REC	1	2/22/2011 4:46:27 AM
Surr: Dibromofluoromethane	106	91.6-125		%REC	1	2/22/2011 4:46:27 AM
Surr: Toluene-d8	114	92.3-107	S	%REC	1	2/22/2011 4:46:27 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
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: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1102588	**Collection Date:**	2/16/2011 1:00:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Toluene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Ethylbenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2,4-Trimethylbenzene	2.3	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,3,5-Trimethylbenzene	1.0	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Naphthalene	ND	2.0		µg/L	1	2/22/2011 5:12:33 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 5:12:33 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 5:12:33 AM
Acetone	ND	10		µg/L	1	2/22/2011 5:12:33 AM
Bromobenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Bromodichloromethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Bromoform	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Bromomethane	ND	3.0		µg/L	1	2/22/2011 5:12:33 AM
2-Butanone	ND	10		µg/L	1	2/22/2011 5:12:33 AM
Carbon disulfide	ND	10		µg/L	1	2/22/2011 5:12:33 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Chlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Chloroethane	ND	2.0		µg/L	1	2/22/2011 5:12:33 AM
Chloroform	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Chloromethane	ND	3.0		µg/L	1	2/22/2011 5:12:33 AM
2-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
4-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
cis-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/22/2011 5:12:33 AM
Dibromochloromethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Dibromomethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/22/2011 5:12:33 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- J Analyte detected below quantitation limits
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- 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: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1102588	**Collection Date:**	2/16/2011 1:00:00 PM
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	2/22/2011 5:12:33 AM
Isopropylbenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/22/2011 5:12:33 AM
Methylene Chloride	ND	3.0		µg/L	1	2/22/2011 5:12:33 AM
n-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
n-Propylbenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
sec-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Styrene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
tert-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/22/2011 5:12:33 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
trans-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/22/2011 5:12:33 AM
Vinyl chloride	ND	1.0		µg/L	1	2/22/2011 5:12:33 AM
Xylenes, Total	ND	1.5		µg/L	1	2/22/2011 5:12:33 AM
Surr: 1,2-Dichloroethane-d4	103	77.7-113		%REC	1	2/22/2011 5:12:33 AM
Surr: 4-Bromofluorobenzene	107	76.4-106	S	%REC	1	2/22/2011 5:12:33 AM
Surr: Dibromofluoromethane	98.3	91.6-125		%REC	1	2/22/2011 5:12:33 AM
Surr: Toluene-d8	108	92.3-107	S	%REC	1	2/22/2011 5:12:33 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
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: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1102588	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2011 5:11:33 AM
Surr: BFB	89.1	79.4-132		%REC	1	2/19/2011 5:11:33 AM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Toluene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Ethylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Naphthalene	ND	2.0		µg/L	1	2/22/2011 5:38:31 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 5:38:31 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 5:38:31 AM
Acetone	ND	10		µg/L	1	2/22/2011 5:38:31 AM
Bromobenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Bromodichloromethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Bromoform	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Bromomethane	ND	3.0		µg/L	1	2/22/2011 5:38:31 AM
2-Butanone	ND	10		µg/L	1	2/22/2011 5:38:31 AM
Carbon disulfide	ND	10		µg/L	1	2/22/2011 5:38:31 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Chlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Chloroethane	ND	2.0		µg/L	1	2/22/2011 5:38:31 AM
Chloroform	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Chloromethane	ND	3.0		µg/L	1	2/22/2011 5:38:31 AM
2-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
4-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
cis-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/22/2011 5:38:31 AM
Dibromochloromethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Dibromomethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 5:38:31 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- POL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Mar-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1102588	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	2/18/2011
Lab ID:	1102588-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/22/2011 5:38:31 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
2-Hexanone	ND	10		µg/L	1	2/22/2011 5:38:31 AM
Isopropylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM.
4-Isopropyltoluene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/22/2011 5:38:31 AM
Methylene Chloride	ND	3.0		µg/L	1	2/22/2011 5:38:31 AM
n-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
n-Propylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
sec-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Styrene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
tert-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/22/2011 5:38:31 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
trans-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/22/2011 5:38:31 AM
Vinyl chloride	ND	1.0		µg/L	1	2/22/2011 5:38:31 AM
Xylenes, Total	ND	1.5		µg/L	1	2/22/2011 5:38:31 AM
Surr: 1,2-Dichloroethane-d4	113	77.7-113		%REC	1	2/22/2011 5:38:31 AM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	1	2/22/2011 5:38:31 AM
Surr: Dibromofluoromethane	102	91.6-125		%REC	1	2/22/2011 5:38:31 AM
Surr: Toluene-d8	121	92.3-107	S	%REC	1	2/22/2011 5:38:31 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
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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-25684		*MBLK*				Batch ID:	**25684**	Analysis Date:		2/21/2011 1:42:12 PM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-25684		*LCS*				Batch ID:	**25684**	Analysis Date:		2/21/2011 1:48:50 PM	
Arsenic	0.5638	mg/L	0.020	0.5	0	113	85	115			
Barium	0.4868	mg/L	0.0020	0.5	0	97.4	85	115			
Cadmium	0.5271	mg/L	0.0020	0.5	0	105	85	115			
Calcium	53.86	mg/L	1.0	50.5	0	107	85	115			
Chromium	0.5251	mg/L	0.0060	0.5	0	105	85	115			
Copper	0.5163	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5099	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5290	mg/L	0.0050	0.5	0	106	85	115			
Magnesium	52.04	mg/L	1.0	50.5	0	103	85	115			
Manganese	0.5075	mg/L	0.0020	0.5	0	102	85	115			
Potassium	53.12	mg/L	1.0	55	0	96.6	85	115			
Silver	0.5158	mg/L	0.0050	0.5	0	103	85	115			
Sodium	49.65	mg/L	1.0	50.5	0	98.3	85	115			
Zinc	0.5535	mg/L	0.010	0.5	0	111	85	115			

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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R43891**		**Analysis Date:**	3/1/2011 4:21:29 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				**Batch ID: R43921**		**Analysis Date:**	3/3/2011 11:48:29 AM		
Barium	ND	mg/L	0.0020								
C m	ND	mg/L	0.0020								
C	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				**Batch ID: R43891**		**Analysis Date:**	3/1/2011 4:26:29 PM		
Barium	0.4938	mg/L	0.0020	0.5	0	98.8	85	115			
Cadmium	0.5374	mg/L	0.0020	0.5	0	107	85	115			
Calcium	52.16	mg/L	1.0	50.5	0	103	85	115			
Chromium	0.5343	mg/L	0.0060	0.5	0	107	85	115			
Copper	0.5236	mg/L	0.0060	0.5	0	105	85	115			
Iron	0.5280	mg/L	0.020	0.5	0.0128	103	85	115			
Lead	0.5255	mg/L	0.0050	0.5	0	105	85	115			
Magnesium	52.42	mg/L	1.0	50.5	0	104	85	115			
Manganese	0.5098	mg/L	0.0020	0.5	0	102	85	115			
Potassium	54.84	mg/L	1.0	55	0	99.7	85	115			
Silver	0.5376	mg/L	0.0050	0.5	0	108	85	115			
Sodium	50.88	mg/L	1.0	50.5	0	101	85	115			
Zinc	0.5416	mg/L	0.010	0.5	0	108	85	115			
S ID: LCS		*LCS*				**Batch ID: R43921**		**Analysis Date:**	3/3/2011 11:55:07 AM		
Ba	0.4641	mg/L	0.0020	0.5	0	92.8	85	115			
Cadmium	0.4901	mg/L	0.0020	0.5	0	98.0	85	115			

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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R43921**	Analysis Date:	3/3/2011 11:55:07 AM		
Chromium	0.5001	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.5125	mg/L	0.0060	0.5	0	102	85	115			
Iron	0.5159	mg/L	0.020	0.5	0	103	85	115			
Lead	0.4872	mg/L	0.0050	0.5	0	97.4	85	115			
Manganese	0.4824	mg/L	0.0020	0.5	0	96.5	85	115			
Silver	0.4998	mg/L	0.0050	0.5	0	100	85	115			
Zinc	0.4965	mg/L	0.010	0.5	0	99.3	85	115			
Sample ID: LCS CATRR		*LCS*				Batch ID:	**R43921**	Analysis Date:	3/3/2011 1:14:30 PM		
Calcium	50.14	mg/L	1.0	50.5	0	99.3	85	115			
Magnesium	50.96	mg/L	1.0	50.5	0	101	85	115			
Potassium	49.07	mg/L	1.0	55	0	89.2	85	115			
Sodium	49.98	mg/L	1.0	50.5	0	99.0	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R43782**	Analysis Date:	2/22/2011 11:53:58 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R43782**	Analysis Date:	2/22/2011 11:59:37		
Arsenic	0.02487	mg/L	0.0010	0.025	0	99.5	85	115			
Selenium	0.02496	mg/L	0.0010	0.025	0	99.8	85	115			
Uranium	0.02378	mg/L	0.0010	0.025	0	95.1	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-25684		*MBLK*				Batch ID:	**25684**	Analysis Date:	2/23/2011 2:02:59 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB-25684		*MBLK*				Batch ID:	**25684**	Analysis Date:	2/25/2011 11:58:27 AM		
Lead	ND	mg/L	0.0025								
Method: EPA Method 245.1: Mercury											
Sample ID: MB-25908		*MBLK*				Batch ID:	**25908**	Analysis Date:	3/10/2011 11:09:14 AM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-25908		*LCS*				Batch ID:	**25908**	Analysis Date:	3/10/2011 11:11:00 AM		
Mercury	0.005845	mg/L	0.00020	0.005	0	117	80	120			

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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R43742**	Analysis Date:	2/18/2011 1:25:33 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R43762**	Analysis Date:	2/21/2011 4:07:26 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sample ID: MB		*MBLK*				Batch ID:	**R43762**	Analysis Date:	2/22/2011 1:29:03 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R43742**	Analysis Date:	2/18/2011 1:42:58 PM		
Fluoride	0.5161	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.790	mg/L	0.50	5	0	95.8	90	110			
Bromide	2.405	mg/L	0.10	2.5	0	96.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.391	mg/L	0.20	3.5	0	96.9	90	110			
Phosphorus, Orthophosphate (As P)	5.180	mg/L	0.50	5	0	104	90	110			
Sulfate	9.911	mg/L	0.50	10	0	99.1	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R43762**	Analysis Date:	2/21/2011 4:18:40 PM		
Fluoride	0.4881	mg/L	0.10	0.5	0	97.6	90	110			
Chloride	4.830	mg/L	0.50	5	0	96.6	90	110			
Bromide	2.480	mg/L	0.10	2.5	0	99.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.391	mg/L	0.20	3.5	0	96.9	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R43762**	Analysis Date:	2/22/2011 1:40:17 AM		
Fluoride	0.4974	mg/L	0.10	0.5	0	99.5	90	110			
Chloride	4.883	mg/L	0.50	5	0	97.7	90	110			
Bromide	2.513	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.435	mg/L	0.20	3.5	0	98.1	90	110			
Phosphorus, Orthophosphate (As P)	4.922	mg/L	0.50	5	0	98.4	90	110			
Sulfate	9.980	mg/L	0.50	10	0	99.8	90	110			

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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25685		*MBLK*				Batch ID:	**25685**	Analysis Date:		2/21/2011 5:04:12 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25685		*LCS*				Batch ID:	**25685**	Analysis Date:		2/22/2011 8:56:16 AM	
Diesel Range Organics (DRO)	7.451	mg/L	1.0	5	0	149	74	157			
Sample ID: LCSD-25685		*LCSD*				Batch ID:	**25685**	Analysis Date:		2/21/2011 6:13:10 PM	
Diesel Range Organics (DRO)	6.357	mg/L	1.0	5	0	127	74	157	15.8	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: B-31		*MBLK*				Batch ID:	**R43740**	Analysis Date:		2/19/2011 1:20:37 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R43740**	Analysis Date:		2/19/2011 6:09:20 AM	
Gasoline Range Organics (GRO)	0.5220	mg/L	0.050	0.5	0	104	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R43740**	Analysis Date:		2/19/2011 6:38:07 AM	
Gasoline Range Organics (GRO)	0.4694	mg/L	0.050	0.5	0	93.9	83.7	124	10.6	12	

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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*					**Batch ID: R43765**		**Analysis Date: 2/21/2011 1:19:03 PM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
ıone	ND	µg/L	10								
ı disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
I lbenzene	ND	µg/L	1.0								
4- opyltoluene	ND	µg/L	1.0								

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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*				Batch ID: **R43765**		Analysis Date:	2/21/2011 1:19:03 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b7		*MBLK*				Batch ID: **R43765**		Analysis Date:	2/22/2011 12:52:38 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*					**Batch ID: R43765**		**Analysis Date:**		2/22/2011 12:52:38 AM
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2 [illegible]hloropropane	ND	µg/L	2.0								
1 [illegible]loropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
X[illegible] Total	ND	µg/L	1.5								
S[illegible] ID: 100ng lcs		*LCS*					**Batch ID: R43765**		**Analysis Date:**		2/21/2011 2:11:10 PM

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: 1st QTR 2011 **Work Order:** 1102588

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R43765**	Analysis Date:		2/21/2011 2:11:10 PM	
Benzene	22.89	µg/L	1.0	20	0	114	84.6	109			S
Toluene	21.74	µg/L	1.0	20	0	109	81	114			
Chlorobenzene	20.15	µg/L	1.0	20	0	101	85.2	113			
1,1-Dichloroethene	23.93	µg/L	1.0	20	0	120	79.6	124			
Trichloroethene (TCE)	22.17	µg/L	1.0	20	0	111	78.3	102			S
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R43765**	Analysis Date:		2/22/2011 1:44:30 AM	
Benzene	21.72	µg/L	1.0	20	0	109	84.6	109			
Toluene	18.24	µg/L	1.0	20	0	91.2	81	114			
Chlorobenzene	17.76	µg/L	1.0	20	0	88.8	85.2	113			
1,1-Dichloroethene	22.59	µg/L	1.0	20	0	113	79.6	124			
Trichloroethene (TCE)	20.05	µg/L	1.0	20	0	100	78.3	102			

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: 2/18/2011

Work Order Number 1102588 | Received by: MMG

Checklist completed by: Signature 2/18/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ✔	No	Not Present	
Custody seals intact on shipping container/cooler?	Yes ✔	No	Not Present	Not Shipped
Custody seals intact on sample bottles?	Yes ✔	No	N/A	
Chain of custody present?	Yes ✔	No		
Chain of custody signed when relinquished and received?	Yes ✔	No		
Chain of custody agrees with sample labels?	Yes ✔	No		
Samples in proper container/bottle?	Yes ✔	No		
Sample containers intact?	Yes ✔	No		
Sufficient sample volume for indicated test?	Yes ✔	No		
Samples received within holding time?	Yes ✔	No		
VOA vials have zero headspace?	No VOA vials submitted	Yes ✔	No	
Water - Preservation labels on bottle and cap match?	Yes ✔	No	N/A	
Water - pH acceptable upon receipt?	Yes ✔	No	N/A	
Container/Temp Blank temperature?	1.3°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 7

<2 >12 unless noted below.

COMMENTS:

Client contacted | Date contacted: | Person contacted

Contacted by: | Regarding:

Comments: 01D, 02D - ADDED 2 mL HNO_3 TO 01D AND 1 mL HNO_3 TO 02D TO PRESERVE FOR PROPER ANALYSIS

01E - ADDED .04 ML HNO_3 TO PRESERVE FOR PROPER ANALYSIS

Corrective Action

Chain-of-Custody Record

Client: Western Refining
Gallup Refinery
Mailing Address: Rt 3 Box 4
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 1st QTR 2011
Project #: 6 WM Wells
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.3

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. 1102588	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,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	Cations/Anions + Total Metals Diss.			Air Bubbles (Y or N)
2/16/11	1333	H2O	GWM-1			1			X							X		X	X	X	
"	1400	"	GWM-2			2			X							X		X			
"	1421	"	GWM-3			3			X							X		X			
"	1300		Field Blank			4															
			Trip Blank			5															

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
2/17/11	1346		Mitchell Garcia	2/18/11	9:30	
Date:	Time:	Relinquished by:	Received by:	Date	Time	

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, April 01, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 1st QTR 2011

Order No.: 1103217

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 3/3/2011 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1103217	**Collection Date:**	3/2/2011 8:40:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2011 6:54:57 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 6:54:57 PM
Surr: DNOP	119	86.9-151		%REC	1	3/7/2011 6:54:57 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2011 2:04:54 PM
Surr: BFB	102	79.4-132		%REC	1	3/7/2011 2:04:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BDH**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2011 2:04:54 PM
Benzene	ND	1.0		µg/L	1	3/7/2011 2:04:54 PM
Toluene	ND	1.0		µg/L	1	3/7/2011 2:04:54 PM
Ethylbenzene	ND	1.0		µg/L	1	3/7/2011 2:04:54 PM
Xylenes, Total	ND	2.0		µg/L	1	3/7/2011 2:04:54 PM
Surr: 4-Bromofluorobenzene	114	96.8-145		%REC	1	3/7/2011 2:04:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.42	0.10		mg/L	1	3/8/2011 5:16:02 PM
Chloride	180	10		mg/L	20	3/8/2011 5:27:17 PM
Bromide	2.1	0.10		mg/L	1	3/8/2011 5:16:02 PM
Nitrate (As N)+Nitrite (As N)	9.5	1.0		mg/L	5	3/10/2011 11:07:18 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/8/2011 5:16:02 PM
Sulfate	92	10		mg/L	20	3/8/2011 5:27:17 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.15	0.0020		mg/L	1	3/17/2011 7:30:31 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 7:30:31 PM
Calcium	97	1.0		mg/L	1	3/17/2011 7:30:31 PM
Chromium	ND	0.0060		mg/L	1	3/17/2011 7:30:31 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 7:30:31 PM
Iron	0.032	0.020		mg/L	1	3/18/2011 6:28:40 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 7:30:31 PM
Magnesium	18	1.0		mg/L	1	3/17/2011 7:30:31 PM
Manganese	ND	0.0020		mg/L	1	3/17/2011 7:30:31 PM
Potassium	1.5	1.0		mg/L	1	3/17/2011 7:30:31 PM
Silver	ND	0.0050		mg/L	1	3/17/2011 7:30:31 PM
Sodium	380	5.0		mg/L	5	3/17/2011 7:35:37 PM
Zinc	ND	0.010		mg/L	1	3/17/2011 7:30:31 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.17	0.0020		mg/L	1	3/10/2011 1:39:14 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1103217	**Collection Date:**	3/2/2011 8:40:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Cadmium	ND	0.0020		mg/L	1	3/10/2011 1:39:14 PM
Calcium	92	1.0		mg/L	1	3/10/2011 1:39:14 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 1:39:14 PM
Copper	ND	0.0060		mg/L	1	3/10/2011 1:39:14 PM
Iron	1.0	0.020		mg/L	1	3/10/2011 1:39:14 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 1:39:14 PM
Magnesium	18	1.0		mg/L	1	3/10/2011 1:39:14 PM
Manganese	0.035	0.0020		mg/L	1	3/10/2011 1:39:14 PM
Potassium	1.5	1.0		mg/L	1	3/10/2011 1:39:14 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 1:39:14 PM
Sodium	400	5.0		mg/L	5	3/10/2011 1:44:12 PM
Zinc	ND	0.010		mg/L	1	3/10/2011 1:39:14 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0013	0.0010		mg/L	1	3/16/2011 1:35:02 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 1:35:02 PM
Uranium	0.017	0.0010		mg/L	1	3/16/2011 4:42:58 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	3/15/2011 3:39:58 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 3:39:58 PM
Uranium	0.021	0.0025		mg/L	2.5	3/15/2011 3:39:58 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Acenaphthylene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Aniline	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Anthracene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Azobenzene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Benz(a)anthracene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Benzoic acid	ND	20		µg/L	1	3/8/2011 10:39:58 PM
Benzyl alcohol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/8/2011 10:39:58 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 10:39:58 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1103217	**Collection Date:**	3/2/2011 8:40:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Butyl benzyl phthalate	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Carbazole	ND	10		µg/L	1	3/8/2011 10:39:58 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
4-Chloroaniline	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2-Chlorophenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Chrysene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Dibenzofuran	ND	10		µg/L	1	3/8/2011 10:39:58 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Diethyl phthalate	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Dimethyl phthalate	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/8/2011 10:39:58 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/8/2011 10:39:58 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/8/2011 10:39:58 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Fluoranthene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Fluorene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Hexachlorobenzene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Hexachloroethane	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Isophorone	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2-Methylphenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
3+4-Methylphenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/8/2011 10:39:58 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/8/2011 10:39:58 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Naphthalene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2-Nitroaniline	ND	10		µg/L	1	3/8/2011 10:39:58 PM
3-Nitroaniline	ND	10		µg/L	1	3/8/2011 10:39:58 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1103217	**Collection Date:**	3/2/2011 8:40:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Nitroaniline	ND	20		µg/L	1	3/8/2011 10:39:58 PM
Nitrobenzene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2-Nitrophenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
4-Nitrophenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Pentachlorophenol	ND	20		µg/L	1	3/8/2011 10:39:58 PM
Phenanthrene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Phenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Pyrene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Pyridine	ND	10		µg/L	1	3/8/2011 10:39:58 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/8/2011 10:39:58 PM
Surr: 2,4,6-Tribromophenol	99.0	17.5-104		%REC	1	3/8/2011 10:39:58 PM
Surr: 2-Fluorobiphenyl	81.4	30.9-98.9		%REC	1	3/8/2011 10:39:58 PM
Surr: 2-Fluorophenol	57.6	12.4-90.1		%REC	1	3/8/2011 10:39:58 PM
Surr: 4-Terphenyl-d14	89.6	43.5-91.9		%REC	1	3/8/2011 10:39:58 PM
Surr: Nitrobenzene-d5	82.1	26.2-108		%REC	1	3/8/2011 10:39:58 PM
Surr: Phenol-d5	52.9	11.8-73.1		%REC	1	3/8/2011 10:39:58 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:25:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2011 7:29:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 7:29:24 PM
Surr: DNOP	120	86.9-151		%REC	1	3/7/2011 7:29:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2011 7:06:00 PM
Surr: BFB	96.3	79.4-132		%REC	1	3/7/2011 7:06:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BDH**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2011 7:06:00 PM
Benzene	ND	1.0		µg/L	1	3/7/2011 7:06:00 PM
Toluene	ND	1.0		µg/L	1	3/7/2011 7:06:00 PM
Ethylbenzene	ND	1.0		µg/L	1	3/7/2011 7:06:00 PM
Xylenes, Total	ND	2.0		µg/L	1	3/7/2011 7:06:00 PM
Surr: 4-Bromofluorobenzene	106	96.8-145		%REC	1	3/7/2011 7:06:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.44	0.10		mg/L	1	3/8/2011 5:38:31 PM
Chloride	1100	50		mg/L	100	3/10/2011 9:14:59 PM
Bromide	4.7	0.10		mg/L	1	3/8/2011 5:38:31 PM
Nitrate (As N)+Nitrite (As N)	14	1.0		mg/L	5	3/10/2011 10:56:04 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/8/2011 5:38:31 PM
Sulfate	420	10		mg/L	20	3/8/2011 5:49:46 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.057	0.0020		mg/L	1	3/21/2011 4:10:56 PM
Cadmium	ND	0.0020		mg/L	1	3/21/2011 4:10:56 PM
Calcium	42	1.0		mg/L	1	3/21/2011 4:10:56 PM
Chromium	ND	0.0060		mg/L	1	3/21/2011 4:10:56 PM
Copper	ND	0.0060		mg/L	1	3/21/2011 4:10:56 PM
Iron	ND	0.020		mg/L	1	3/21/2011 4:10:56 PM
Lead	ND	0.0050		mg/L	1	3/21/2011 4:10:56 PM
Magnesium	7.6	1.0		mg/L	1	3/21/2011 4:10:56 PM
Manganese	ND	0.0020		mg/L	1	3/21/2011 4:10:56 PM
Potassium	5.7	1.0		mg/L	1	3/21/2011 4:10:56 PM
Silver	ND	0.0050		mg/L	1	3/21/2011 4:10:56 PM
Sodium	970	20		mg/L	20	3/21/2011 4:15:54 PM
Zinc	ND	0.010		mg/L	1	3/21/2011 4:10:56 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.078	0.0020		mg/L	1	3/10/2011 2:03:38 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:25:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Cadmium	ND	0.0020		mg/L	1	3/10/2011 2:03:38 PM
Calcium	44	1.0		mg/L	1	3/10/2011 2:03:38 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 2:03:38 PM
Copper	ND	0.0060		mg/L	1	3/10/2011 2:03:38 PM
Iron	0.49	0.020		mg/L	1	3/10/2011 5:23:04 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 2:03:38 PM
Magnesium	7.5	1.0		mg/L	1	3/10/2011 2:03:38 PM
Manganese	0.017	0.0020		mg/L	1	3/10/2011 2:03:38 PM
Potassium	4.5	1.0		mg/L	1	3/10/2011 2:03:38 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 2:03:38 PM
Sodium	990	20		mg/L	20	3/10/2011 3:19:30 PM
Zinc	0.014	0.010		mg/L	1	3/10/2011 5:23:04 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	3/16/2011 1:40:43 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 1:40:43 PM
Uranium	0.039	0.0010		mg/L	1	3/16/2011 4:46:10 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	3/15/2011 3:43:35 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 3:43:35 PM
Uranium	0.044	0.0025		mg/L	2.5	3/15/2011 3:43:35 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Acenaphthylene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Aniline	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Anthracene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Azobenzene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Benz(a)anthracene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Benzoic acid	ND	20		µg/L	1	3/8/2011 11:08:33 PM
Benzyl alcohol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/8/2011 11:08:33 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 11:08:33 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
- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:25:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Butyl benzyl phthalate	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Carbazole	ND	10		µg/L	1	3/8/2011 11:08:33 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
4-Chloroaniline	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2-Chlorophenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Chrysene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Dibenzofuran	ND	10		µg/L	1	3/8/2011 11:08:33 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Diethyl phthalate	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Dimethyl phthalate	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/8/2011 11:08:33 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/8/2011 11:08:33 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/8/2011 11:08:33 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Fluoranthene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Fluorene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Hexachlorobenzene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Hexachloroethane	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Isophorone	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2-Methylphenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
3+4-Methylphenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/8/2011 11:08:33 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/8/2011 11:08:33 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Naphthalene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2-Nitroaniline	ND	10		µg/L	1	3/8/2011 11:08:33 PM
3-Nitroaniline	ND	10		µg/L	1	3/8/2011 11:08:33 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:25:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Nitroaniline	ND	20		µg/L	1	3/8/2011 11:08:33 PM
Nitrobenzene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2-Nitrophenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
4-Nitrophenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Pentachlorophenol	ND	20		µg/L	1	3/8/2011 11:08:33 PM
Phenanthrene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Phenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Pyrene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Pyridine	ND	10		µg/L	1	3/8/2011 11:08:33 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/8/2011 11:08:33 PM
Surr: 2,4,6-Tribromophenol	75.6	17.5-104		%REC	1	3/8/2011 11:08:33 PM
Surr: 2-Fluorobiphenyl	50.9	30.9-98.9		%REC	1	3/8/2011 11:08:33 PM
Surr: 2-Fluorophenol	34.6	12.4-90.1		%REC	1	3/8/2011 11:08:33 PM
Surr: 4-Terphenyl-d14	60.5	43.5-91.9		%REC	1	3/8/2011 11:08:33 PM
Surr: Nitrobenzene-d5	48.1	26.2-108		%REC	1	3/8/2011 11:08:33 PM
Surr: Phenol-d5	36.1	11.8-73.1		%REC	1	3/8/2011 11:08:33 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:48:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2011 8:03:29 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 8:03:29 PM
Surr: DNOP	109	86.9-151		%REC	1	3/7/2011 8:03:29 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.25		mg/L	5	3/7/2011 10:39:23 PM
Surr: BFB	98.7	79.4-132		%REC	5	3/7/2011 10:39:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BDH**
Methyl tert-butyl ether (MTBE)	88	13		µg/L	5	3/7/2011 10:39:23 PM
Benzene	ND	5.0		µg/L	5	3/7/2011 10:39:23 PM
Toluene	ND	5.0		µg/L	5	3/7/2011 10:39:23 PM
Ethylbenzene	ND	5.0		µg/L	5	3/7/2011 10:39:23 PM
Xylenes, Total	ND	10		µg/L	5	3/7/2011 10:39:23 PM
Surr: 4-Bromofluorobenzene	109	96.8-145		%REC	5	3/7/2011 10:39:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.2	0.10		mg/L	1	3/8/2011 6:01:01 PM
Chloride	600	25		mg/L	50	3/15/2011 7:25:55 AM
Bromide	2.4	0.10		mg/L	1	3/8/2011 6:01:01 PM
Nitrate (As N)+Nitrite (As N)	4.3	1.0		mg/L	5	3/10/2011 10:44:50 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/8/2011 6:01:01 PM
Sulfate	150	10		mg/L	20	3/8/2011 6:12:14 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.024	0.0020		mg/L	1	3/17/2011 8:03:30 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 8:03:30 PM
Calcium	4.0	1.0		mg/L	1	3/17/2011 8:03:30 PM
Chromium	ND	0.0060		mg/L	1	3/17/2011 8:03:30 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 8:03:30 PM
Iron	0.11	0.020		mg/L	1	3/18/2011 6:39:00 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 8:03:30 PM
Magnesium	ND	1.0		mg/L	1	3/17/2011 8:03:30 PM
Manganese	0.040	0.0020		mg/L	1	3/17/2011 8:03:30 PM
Potassium	1.6	1.0		mg/L	1	3/17/2011 8:03:30 PM
Silver	ND	0.0050		mg/L	1	3/17/2011 8:03:30 PM
Sodium	200	10		mg/L	10	3/17/2011 8:08:44 PM
Zinc	ND	0.010		mg/L	1	3/17/2011 8:03:30 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.44	0.0020		mg/L	1	3/10/2011 2:12:26 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:48:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Cadmium	ND	0.0020		mg/L	1	3/10/2011 2:12:26 PM
Calcium	93	1.0		mg/L	1	3/10/2011 2:12:26 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 2:12:26 PM
Copper	ND	0.0060		mg/L	1	3/10/2011 2:12:26 PM
Iron	0.64	0.020		mg/L	1	3/10/2011 5:28:00 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 2:12:26 PM
Magnesium	18	1.0		mg/L	1	3/10/2011 2:12:26 PM
Manganese	1.4	0.010		mg/L	5	3/10/2011 2:17:33 PM
Potassium	1.4	1.0		mg/L	1	3/10/2011 2:12:26 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 2:12:26 PM
Sodium	570	10		mg/L	10	3/10/2011 3:23:25 PM
Zinc	ND	0.010		mg/L	1	3/10/2011 5:28:00 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0062	0.0010		mg/L	1	3/16/2011 1:46:25 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 1:46:25 PM
Uranium	0.010	0.0010		mg/L	1	3/16/2011 4:49:22 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0063	0.0025		mg/L	2.5	3/15/2011 3:47:13 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 3:47:13 PM
Uranium	0.015	0.0025		mg/L	2.5	3/15/2011 3:47:13 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Acenaphthylene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Aniline	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Anthracene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Azobenzene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Benz(a)anthracene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Benzoic acid	ND	20		µg/L	1	3/8/2011 11:37:10 PM
Benzyl alcohol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/8/2011 11:37:10 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 11:37:10 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:48:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Butyl benzyl phthalate	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Carbazole	ND	10		µg/L	1	3/8/2011 11:37:10 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
4-Chloroaniline	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2-Chlorophenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Chrysene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Dibenzofuran	ND	10		µg/L	1	3/8/2011 11:37:10 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Diethyl phthalate	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Dimethyl phthalate	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/8/2011 11:37:10 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/8/2011 11:37:10 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/8/2011 11:37:10 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Fluoranthene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Fluorene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Hexachlorobenzene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Hexachloroethane	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Isophorone	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2-Methylphenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
3+4-Methylphenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/8/2011 11:37:10 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/8/2011 11:37:10 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Naphthalene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2-Nitroaniline	ND	10		µg/L	1	3/8/2011 11:37:10 PM
3-Nitroaniline	ND	10		µg/L	1	3/8/2011 11:37:10 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1103217	**Collection Date:**	3/2/2011 9:48:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Nitroaniline	ND	20		µg/L	1	3/8/2011 11:37:10 PM
Nitrobenzene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2-Nitrophenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
4-Nitrophenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Pentachlorophenol	ND	20		µg/L	1	3/8/2011 11:37:10 PM
Phenanthrene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Phenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Pyrene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Pyridine	ND	10		µg/L	1	3/8/2011 11:37:10 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/8/2011 11:37:10 PM
Surr: 2,4,6-Tribromophenol	91.1	17.5-104		%REC	1	3/8/2011 11:37:10 PM
Surr: 2-Fluorobiphenyl	78.6	30.9-98.9		%REC	1	3/8/2011 11:37:10 PM
Surr: 2-Fluorophenol	48.6	12.4-90.1		%REC	1	3/8/2011 11:37:10 PM
Surr: 4-Terphenyl-d14	83.2	43.5-91.9		%REC	1	3/8/2011 11:37:10 PM
Surr: Nitrobenzene-d5	67.6	26.2-108		%REC	1	3/8/2011 11:37:10 PM
Surr: Phenol-d5	51.8	11.8-73.1		%REC	1	3/8/2011 11:37:10 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
- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1103217	**Collection Date:**	3/2/2011 10:20:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	2.8	1.0		mg/L	1	3/7/2011 8:37:38 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2011 8:37:38 PM
Surr: DNOP	121	86.9-151		%REC	1	3/7/2011 8:37:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	1.3	0.25		mg/L	5	3/7/2011 11:12:05 PM
Surr: BFB	109	79.4-132		%REC	5	3/7/2011 11:12:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BDH**
Methyl tert-butyl ether (MTBE)	340	13		µg/L	5	3/7/2011 11:12:05 PM
Benzene	40	5.0		µg/L	5	3/7/2011 11:12:05 PM
Toluene	ND	5.0		µg/L	5	3/7/2011 11:12:05 PM
Ethylbenzene	14	5.0		µg/L	5	3/7/2011 11:12:05 PM
Xylenes, Total	ND	10		µg/L	5	3/7/2011 11:12:05 PM
Surr: 4-Bromofluorobenzene	116	96.8-145		%REC	5	3/7/2011 11:12:05 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.3	0.50		mg/L	5	3/7/2011 11:22:09 PM
Chloride	360	25		mg/L	50	3/10/2011 9:26:14 PM
Bromide	1.3	0.50		mg/L	5	3/7/2011 11:22:09 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	3/10/2011 10:33:36 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/7/2011 11:22:09 PM
Sulfate	3.7	2.5		mg/L	5	3/7/2011 11:22:09 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.055	0.0020		mg/L	1	3/17/2011 8:12:46 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 8:12:46 PM
Calcium	44	1.0		mg/L	1	3/17/2011 8:12:46 PM
Chromium	ND	0.0060		mg/L	1	3/17/2011 8:12:46 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 8:12:46 PM
Iron	4.8	0.40		mg/L	20	3/21/2011 4:26:25 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 8:12:46 PM
Magnesium	7.6	1.0		mg/L	1	3/17/2011 8:12:46 PM
Manganese	ND	0.0020		mg/L	1	3/17/2011 8:12:46 PM
Potassium	5.8	1.0		mg/L	1	3/17/2011 8:12:46 PM
Silver	ND	0.0050		mg/L	1	3/17/2011 8:12:46 PM
Sodium	380	20		mg/L	20	3/21/2011 4:26:25 PM
Zinc	ND	0.010		mg/L	1	3/17/2011 8:12:46 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	2.4	0.010		mg/L	5	3/10/2011 2:27:28 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1103217	**Collection Date:**	3/2/2011 10:20:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Cadmium	ND	0.0020		mg/L	1	3/10/2011 2:21:31 PM
Calcium	93	1.0		mg/L	1	3/10/2011 2:21:31 PM
Chromium	ND	0.0060		mg/L	1	3/10/2011 2:21:31 PM
Copper	0.0075	0.0060		mg/L	1	3/10/2011 2:21:31 PM
Iron	5.4	0.20		mg/L	10	3/10/2011 5:38:51 PM
Lead	ND	0.0050		mg/L	1	3/10/2011 2:21:31 PM
Magnesium	20	1.0		mg/L	1	3/10/2011 2:21:31 PM
Manganese	1.3	0.010		mg/L	5	3/10/2011 2:27:28 PM
Potassium	ND	1.0		mg/L	1	3/10/2011 2:21:31 PM
Silver	ND	0.0050		mg/L	1	3/10/2011 2:21:31 PM
Sodium	390	5.0		mg/L	5	3/10/2011 2:27:28 PM
Zinc	ND	0.010		mg/L	1	3/10/2011 5:34:34 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.013	0.0010		mg/L	1	3/16/2011 1:08:39 PM
Selenium	ND	0.050		mg/L	1	3/16/2011 1:08:39 PM
Uranium	ND	0.0010		mg/L	1	3/16/2011 1:08:39 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.011	0.0025		mg/L	2.5	3/15/2011 3:50:50 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 3:50:50 PM
Uranium	ND	0.0025		mg/L	2.5	3/15/2011 3:50:50 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Acenaphthylene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Aniline	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Anthracene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Azobenzene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Benz(a)anthracene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Benzo(a)pyrene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Benzoic acid	ND	20		µg/L	1	3/9/2011 12:05:52 AM
Benzyl alcohol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Bis(2-ethylhexyl)phthalate	10	10		µg/L	1	3/9/2011 12:05:52 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/9/2011 12:05:52 AM

Qualifiers:

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- E Estimated value
- H Holding times for preparation or analysis exceeded
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- 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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1103217	**Collection Date:**	3/2/2011 10:20:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Butyl benzyl phthalate	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Carbazole	ND	10		µg/L	1	3/9/2011 12:05:52 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
4-Chloroaniline	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2-Chloronaphthalene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2-Chlorophenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Chrysene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Di-n-butyl phthalate	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Di-n-octyl phthalate	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Dibenzofuran	ND	10		µg/L	1	3/9/2011 12:05:52 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Diethyl phthalate	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Dimethyl phthalate	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2,4-Dichlorophenol	ND	20		µg/L	1	3/9/2011 12:05:52 AM
2,4-Dimethylphenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/9/2011 12:05:52 AM
2,4-Dinitrophenol	ND	20		µg/L	1	3/9/2011 12:05:52 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Fluoranthene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Fluorene	12	10		µg/L	1	3/9/2011 12:05:52 AM
Hexachlorobenzene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Hexachlorobutadiene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Hexachloroethane	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Isophorone	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2-Methylnaphthalene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2-Methylphenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
3+4-Methylphenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/9/2011 12:05:52 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/9/2011 12:05:52 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Naphthalene	15	10		µg/L	1	3/9/2011 12:05:52 AM
2-Nitroaniline	ND	10		µg/L	1	3/9/2011 12:05:52 AM
3-Nitroaniline	ND	10		µg/L	1	3/9/2011 12:05:52 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
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- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1103217	**Collection Date:**	3/2/2011 10:20:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Nitroaniline	ND	20		µg/L	1	3/9/2011 12:05:52 AM
Nitrobenzene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2-Nitrophenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
4-Nitrophenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Pentachlorophenol	ND	20		µg/L	1	3/9/2011 12:05:52 AM
Phenanthrene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Phenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Pyrene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Pyridine	ND	10		µg/L	1	3/9/2011 12:05:52 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/9/2011 12:05:52 AM
Surr: 2,4,6-Tribromophenol	92.0	17.5-104		%REC	1	3/9/2011 12:05:52 AM
Surr: 2-Fluorobiphenyl	70.0	30.9-98.9		%REC	1	3/9/2011 12:05:52 AM
Surr: 2-Fluorophenol	57.0	12.4-90.1		%REC	1	3/9/2011 12:05:52 AM
Surr: 4-Terphenyl-d14	78.9	43.5-91.9		%REC	1	3/9/2011 12:05:52 AM
Surr: Nitrobenzene-d5	80.5	26.2-108		%REC	1	3/9/2011 12:05:52 AM
Surr: Phenol-d5	59.4	11.8-73.1		%REC	1	3/9/2011 12:05:52 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
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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1103217	**Collection Date:**	3/2/2011 8:00:00 AM
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2011 11:42:07 PM
Surr: BFB	91.2	79.4-132		%REC	1	3/7/2011 11:42:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BDH**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2011 11:42:07 PM
Benzene	ND	1.0		µg/L	1	3/7/2011 11:42:07 PM
Toluene	ND	1.0		µg/L	1	3/7/2011 11:42:07 PM
Ethylbenzene	ND	1.0		µg/L	1	3/7/2011 11:42:07 PM
Xylenes, Total	ND	2.0		µg/L	1	3/7/2011 11:42:07 PM
Surr: 4-Bromofluorobenzene	102	96.8-145		%REC	1	3/7/2011 11:42:07 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
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: *01-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1103217	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	3/3/2011
Lab ID:	1103217-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **BDH**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/8/2011 12:12:06 AM
Surr: BFB	92.6	79.4-132		%REC	1	3/8/2011 12:12:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: **BDH**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/8/2011 12:12:06 AM
Benzene	ND	1.0		µg/L	1	3/8/2011 12:12:06 AM
Toluene	ND	1.0		µg/L	1	3/8/2011 12:12:06 AM
Ethylbenzene	ND	1.0		µg/L	1	3/8/2011 12:12:06 AM
Xylenes, Total	ND	2.0		µg/L	1	3/8/2011 12:12:06 AM
Surr: 4-Bromofluorobenzene	102	96.8-145		%REC	1	3/8/2011 12:12:06 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
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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-25895		*MBLK*				Batch ID:	**25895**	Analysis Date:	3/10/2011 11:34:17 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-25744		*MBLK*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 6:03:13 PM		
Zinc	ND	mg/L	0.010								
Sample ID: LCS-25895		*LCS*				Batch ID:	**25895**	Analysis Date:	3/10/2011 11:38:15 AM		
Arsenic	0.5046	mg/L	0.020	0.5	0	101	85	115			
Barium	0.4636	mg/L	0.0020	0.5	0	92.7	85	115			
Cadmium	0.4804	mg/L	0.0020	0.5	0	96.1	85	115			
Calcium	50.20	mg/L	1.0	50.5	0	99.4	85	115			
Chromium	0.4996	mg/L	0.0060	0.5	0	99.9	85	115			
Copper	0.5422	mg/L	0.0060	0.5	0	108	85	115			
Iron	0.4695	mg/L	0.020	0.5	0	93.9	85	115			
Lead	0.4779	mg/L	0.0050	0.5	0	95.6	85	115			
Magnesium	51.68	mg/L	1.0	50.5	0	102	85	115			
Manganese	0.4887	mg/L	0.0020	0.5	0	97.7	85	115			
Potassium	54.27	mg/L	1.0	55	0	98.7	85	115			
Selenium	0.4603	mg/L	0.050	0.5	0	92.1	85	115			
Silver	0.4975	mg/L	0.0050	0.5	0	99.5	85	115			
Sodium	50.69	mg/L	1.0	50.5	0	100	85	115			
Zinc	0.4711	mg/L	0.010	0.5	0	94.2	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

t: Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 5:53:56 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:24:22 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
[illegible]	ND	mg/L	0.0060								
[illegible]	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R44222**	Analysis Date:	3/21/2011 4:03:18 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 5:58:56 PM		
Barium	0.4694	mg/L	0.0020	0.5	0	93.9	85	115			
[illegible]m	0.4840	mg/L	0.0020	0.5	0	96.8	85	115			

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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 5:58:56 PM		
Chromium	0.4993	mg/L	0.0060	0.5	0	99.9	85	115			
Copper	0.5129	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5457	mg/L	0.020	0.5	0	109	85	115			
Lead	0.4881	mg/L	0.0050	0.5	0	97.6	85	115			
Manganese	0.4865	mg/L	0.0020	0.5	0	97.3	85	115			
Silver	0.5086	mg/L	0.0050	0.5	0	102	85	115			
Zinc	0.4965	mg/L	0.010	0.5	0	99.3	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44178**	Analysis Date:	3/18/2011 12:31:05 PM		
Calcium	54.78	mg/L	1.0	50.5	0.0077	108	85	115			
Magnesium	55.99	mg/L	1.0	50.5	0	111	85	115			
Potassium	57.37	mg/L	1.0	55	0	104	85	115			
Sodium	53.78	mg/L	1.0	50.5	0	106	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:28:29 PM		
Barium	0.4515	mg/L	0.0020	0.5	0	90.3	85	115			
Cadmium	0.4810	mg/L	0.0020	0.5	0	96.2	85	115			
Chromium	0.4844	mg/L	0.0060	0.5	0	96.9	85	115			
Copper	0.4840	mg/L	0.0060	0.5	0	96.8	85	115			
Iron	0.5538	mg/L	0.020	0.5	0.0103	109	85	115			
Lead	0.4750	mg/L	0.0050	0.5	0	95.0	85	115			
Manganese	0.4631	mg/L	0.0020	0.5	0	92.6	85	115			
Silver	0.4859	mg/L	0.0050	0.5	0	97.2	85	115			
Zinc	0.4760	mg/L	0.010	0.5	0	95.2	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44222**	Analysis Date:	3/21/2011 4:07:02 PM		
Barium	0.4563	mg/L	0.0020	0.5	0	91.3	85	115			
Cadmium	0.4898	mg/L	0.0020	0.5	0	98.0	85	115			
Calcium	43.53	mg/L	1.0	50.5	0.0088	86.2	85	115			
Chromium	0.4936	mg/L	0.0060	0.5	0	98.7	85	115			
Copper	0.5001	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4675	mg/L	0.020	0.5	0	93.5	85	115			
Lead	0.4873	mg/L	0.0050	0.5	0	97.5	85	115			
Magnesium	44.92	mg/L	1.0	50.5	0	88.9	85	115			
Manganese	0.4772	mg/L	0.0020	0.5	0	95.4	85	115			
Potassium	47.72	mg/L	1.0	55	0	86.8	85	115			
Silver	0.4839	mg/L	0.0050	0.5	0	96.8	85	115			
Sodium	44.18	mg/L	1.0	50.5	0	87.5	85	115			
Zinc	0.4911	mg/L	0.010	0.5	0	98.2	85	115			

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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:23:17 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:28:56 PM		
Arsenic	0.02512	mg/L	0.0010	0.025	0	100	85	115			
Selenium	0.02549	mg/L	0.0010	0.025	9E-05	102	85	115			
Uranium	0.02425	mg/L	0.0010	0.025	0	97.0	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-25895		*MBLK*				Batch ID:	**25895**	Analysis Date:	3/10/2011 5:03:00 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB-25895		*MBLK*				Batch ID:	**25895**	Analysis Date:	3/15/2011 2:30:45 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
L	ND	mg/L	0.0025								
Se n	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:23:17 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS-25895		*LCS*				Batch ID:	**25895**	Analysis Date:	3/10/2011 5:09:00 PM		
Arsenic	0.05104	mg/L	0.0025	0.02	0.0510	0	85	115			BS
Cadmium	0.04711	mg/L	0.0025	0.02	0.0471	0	85	115			BS
Lead	0.05399	mg/L	0.0025	0.02	0.054	0	85	115			BS
Selenium	0.05199	mg/L	0.0025	0.02	0.052	0	85	115			BS
Uranium	0.05361	mg/L	0.0025	0.02	0.0536	0	85	115			BS
Sample ID: LCS		*LCS*				Batch ID:	**R44132**	Analysis Date:	3/16/2011 12:28:56 PM		
Arsenic	0.02512	mg/L	0.0010	0.025	0	100	85	115			
Selenium	0.02549	mg/L	0.0010	0.025	0	102	85	115			
Uranium	0.02425	mg/L	0.0010	0.025	0	97.0	85	115			

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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R43980**	Analysis Date:		3/7/2011 4:37:50 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44010**	Analysis Date:		3/8/2011 4:31:07 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:		3/10/2011 1:15:48 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:		3/11/2011 3:36:53 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44143**	Analysis Date:		3/14/2011 2:01:12 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R43980**	Analysis Date:		3/7/2011 4:49:03 PM	
Fluoride	0.5099	mg/L	0.10	0.5	0	102	90	110			
Chloride	5.041	mg/L	0.50	5	0	101	90	110			
Bromide	2.487	mg/L	0.10	2.5	0	99.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.480	mg/L	0.20	3.5	0	99.4	90	110			
Phosphorus, Orthophosphate (As P)	4.971	mg/L	0.50	5	0	99.4	90	110			
Sulfate	10.20	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44010**	Analysis Date:		3/8/2011 4:42:21 PM	
Fluoride	0.5164	mg/L	0.10	0.5	0	103	90	110			
Chloride	5.038	mg/L	0.50	5	0	101	90	110			
Bromide	2.437	mg/L	0.10	2.5	0	97.5	90	110			

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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R44010**	Analysis Date:		3/8/2011 4:42:21 PM	
Nitrate (As N)+Nitrite (As N)	3.474	mg/L	0.20	3.5	0	99.3	90	110			
Phosphorus, Orthophosphate (As P)	5.134	mg/L	0.50	5	0	103	90	110			
Sulfate	10.27	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:		3/10/2011 1:27:03 PM	
Fluoride	0.4980	mg/L	0.10	0.5	0	99.6	90	110			
Chloride	5.030	mg/L	0.50	5	0	101	90	110			
Bromide	2.566	mg/L	0.10	2.5	0	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.512	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.964	mg/L	0.50	5	0	99.3	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:		3/11/2011 3:48:07 AM	
Fluoride	0.5081	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.953	mg/L	0.50	5	0	99.1	90	110			
Phosphorus, Orthophosphate (As P)	5.004	mg/L	0.50	5	0	100	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44143**	Analysis Date:		3/14/2011 2:18:38 PM	
Fluoride	0.1331	mg/L	0.10	0.5	0	26.6	90	110			S
Chloride	0.7645	mg/L	0.50	5	0	15.3	90	110			S
Bromide	0.7138	mg/L	0.10	2.5	0	28.6	90	110			S
Nitrate (As N)+Nitrite (As N)	0.7563	mg/L	0.20	3.5	0	21.6	90	110			S
Phosphorus, Orthophosphate (As P)	0.8005	mg/L	0.50	5	0	16.0	90	110			S
Sulfate	1.826	mg/L	0.50	10	0	18.3	90	110			S
Sample ID: LCS-b		*LCS*				Batch ID:	**R44143**	Analysis Date:		3/14/2011 2:36:03 PM	
Fluoride	0.5035	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.820	mg/L	0.50	5	0	96.4	90	110			
Bromide	2.409	mg/L	0.10	2.5	0	96.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.403	mg/L	0.20	3.5	0	97.2	90	110			
Phosphorus, Orthophosphate (As P)	5.106	mg/L	0.50	5	0	102	90	110			
Sulfate	9.875	mg/L	0.50	10	0	98.7	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25850		*MBLK*				Batch ID:	**25850**	Analysis Date:		3/7/2011 12:05:25 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25850		*LCS*				Batch ID:	**25850**	Analysis Date:		3/7/2011 12:39:33 PM	
Diesel Range Organics (DRO)	5.749	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-25850		*LCSD*				Batch ID:	**25850**	Analysis Date:		3/7/2011 1:13:42 PM	
Diesel Range Organics (DRO)	6.209	mg/L	1.0	5	0	124	74	157	7.70	23	

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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1103217-02A MSD		*MSD*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 6:05:34 PM	
Gasoline Range Organics (GRO)	0.5332	mg/L	0.050	0.5	0	107	75.4	121	1.47	10.5	
Sample ID: b 5		*MBLK*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 11:29:09 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 9:06:32 PM	
Gasoline Range Organics (GRO)	0.5228	mg/L	0.050	0.5	0	105	81.8	120			
Sample ID: 1103217-02A MS		*MS*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 5:35:30 PM	
Gasoline Range Organics (GRO)	0.5254	mg/L	0.050	0.5	0	105	75.4	121			
Method: EPA Method 8021B: Volatiles											
Sample ID: 1103217-01A MSD		*MSD*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 3:05:10 PM	
Methyl tert-butyl ether (MTBE)	21.14	µg/L	2.5	20	0.612	103	72.4	139	1.55	32.7	
Benzene	21.02	µg/L	1.0	20	0	105	92.7	114	1.06	14	
Toluene	21.90	µg/L	1.0	20	0	110	94.6	116	0.201	16.2	
Ethylbenzene	22.20	µg/L	1.0	20	0	111	94.3	114	1.54	12.6	
Xylenes, Total	68.26	µg/L	2.0	60	0	114	95.7	116	0.815	11.9	
Sample ID: b 5		*MBLK*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 11:29:09 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 9:36:34 PM	
Methyl tert-butyl ether (MTBE)	20.83	µg/L	2.5	20	0	104	97.6	132			
Benzene	20.79	µg/L	1.0	20	0	104	93.4	120			
Toluene	21.62	µg/L	1.0	20	0	108	96.2	122			
Ethylbenzene	21.62	µg/L	1.0	20	0	108	95	121			
Xylenes, Total	65.80	µg/L	2.0	60	0	110	97.6	122			
Sample ID: 1103217-01A MS		*MS*				Batch ID:	**R43975**	Analysis Date:		3/7/2011 2:35:04 PM	
Methyl tert-butyl ether (MTBE)	20.81	µg/L	2.5	20	0.612	101	72.4	139			
Benzene	20.80	µg/L	1.0	20	0	104	92.7	114			
Toluene	21.86	µg/L	1.0	20	0	109	94.6	116			
Ethylbenzene	21.86	µg/L	1.0	20	0	109	94.3	114			
Xylenes, Total	67.71	µg/L	2.0	60	0	113	95.7	116			

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

C Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Method: EPA Method 8270C: Semivolatiles
Sample ID: mb-25868 *MBLK* **Batch ID:** 25868 **Analysis Date:** 3/8/2011 2:28:25 PM

Acenaphthene	ND	µg/L	10
Acenaphthylene	ND	µg/L	10
Aniline	ND	µg/L	10
Anthracene	ND	µg/L	10
Azobenzene	ND	µg/L	10
Benz(a)anthracene	ND	µg/L	10
Benzo(a)pyrene	ND	µg/L	10
Benzo(b)fluoranthene	ND	µg/L	10
Benzo(g,h,i)perylene	ND	µg/L	10
Benzo(k)fluoranthene	ND	µg/L	10
Benzoic acid	ND	µg/L	20
Benzyl alcohol	ND	µg/L	10
Bis(2-chloroethoxy)methane	ND	µg/L	10
Bis(2-chloroethyl)ether	ND	µg/L	10
Bis(2-chloroisopropyl)ether	ND	µg/L	10
Bis(2-ethylhexyl)phthalate	ND	µg/L	10
4-Bromophenyl phenyl ether	ND	µg/L	10
Butyl benzyl phthalate	ND	µg/L	10
C le	ND	µg/L	10
4- -3-methylphenol	ND	µg/L	10
4-Chloroaniline	ND	µg/L	10
2-Chloronaphthalene	ND	µg/L	10
2-Chlorophenol	ND	µg/L	10
4-Chlorophenyl phenyl ether	ND	µg/L	10
Chrysene	ND	µg/L	10
Di-n-butyl phthalate	ND	µg/L	10
Di-n-octyl phthalate	ND	µg/L	10
Dibenz(a,h)anthracene	ND	µg/L	10
Dibenzofuran	ND	µg/L	10
1,2-Dichlorobenzene	ND	µg/L	10
1,3-Dichlorobenzene	ND	µg/L	10
1,4-Dichlorobenzene	ND	µg/L	10
3,3'-Dichlorobenzidine	ND	µg/L	10
Diethyl phthalate	ND	µg/L	10
Dimethyl phthalate	ND	µg/L	10
2,4-Dichlorophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	10
4,6-Dinitro-2-methylphenol	ND	µg/L	20
2,4-Dinitrophenol	ND	µg/L	20
2,4-Dinitrotoluene	ND	µg/L	10
2,6-Dinitrotoluene	ND	µg/L	10
Fluoranthene	ND	µg/L	10
Fluorene	ND	µg/L	10
Hexachlorobenzene	ND	µg/L	10

Qualifiers:

E	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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25868		*MBLK*				Batch ID:	**25868**	Analysis Date:		3/8/2011 2:28:25 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-25868		*LCS*				Batch ID:	**25868**	Analysis Date:		3/8/2011 8:45:26 PM	
Acenaphthene	74.32	µg/L	10	100	0	74.3	31	99.4			
4-Chloro-3-methylphenol	169.6	µg/L	10	200	0	84.8	34.3	111			
2-Chlorophenol	136.9	µg/L	10	200	0	68.4	24.1	98.7			
1,4-Dichlorobenzene	58.76	µg/L	10	100	0	58.8	20.6	85.6			
2,4-Dinitrotoluene	68.76	µg/L	10	100	0	68.8	26.6	126			
N-Nitrosodi-n-propylamine	67.76	µg/L	10	100	0	67.8	29.2	94.4			
4-Nitrophenol	157.1	µg/L	10	200	0	78.5	9.87	86			
Pentachlorophenol	193.9	µg/L	20	200	0	96.9	20	97.8			
Phenol	92.18	µg/L	10	200	0	46.1	17.5	60.5			
Pyrene	64.04	µg/L	10	100	0	64.0	46.8	92.2			
1,2,4-Trichlorobenzene	61.48	µg/L	10	100	0	61.5	25.2	92.3			
Sample ID: lcsd-25868		*LCSD*				Batch ID:	**25868**	Analysis Date:		3/8/2011 9:14:03 PM	
Acenaphthene	74.26	µg/L	10	100	0	74.3	31	99.4	0.0808	30	
4-Chloro-3-methylphenol	154.4	µg/L	10	200	0	77.2	34.3	111	9.41	30.8	
2-Chlorophenol	136.5	µg/L	10	200	0	68.3	24.1	98.7	0.249	31	
1,4-Dichlorobenzene	59.48	µg/L	10	100	0	59.5	20.6	85.6	1.22	37	
2,4-Dinitrotoluene	71.16	µg/L	10	100	0	71.2	26.6	126	3.43	34.5	

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: 1st QTR 2011 **Work Order:** 1103217

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-25868		*LCSD*				Batch ID:	***25868***	Analysis Date:		***3/8/2011 9:14:03 PM***	
N-Nitrosodi-n-propylamine	69.88	µg/L	10	100	0	69.9	29.2	94.4	3.08	30.8	
4-Nitrophenol	149.0	µg/L	10	200	0	74.5	9.87	86	5.25	61.1	
Pentachlorophenol	190.3	µg/L	20	200	0	95.2	20	97.8	1.83	64.8	
Phenol	89.80	µg/L	10	200	0	44.9	17.5	60.5	2.62	31.4	
Pyrene	64.38	µg/L	10	100	0	64.4	46.8	92.2	0.530	29.8	
1,2,4-Trichlorobenzene	62.92	µg/L	10	100	0	62.9	25.2	92.3	2.32	30.9	

Qualifiers:

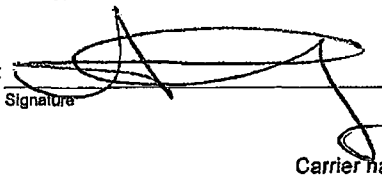
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 3/4/2011

Work Order Number 1103217 | Received by: MMG

Checklist completed by:  Signature 3/3/11 Date | Sample ID labels checked by: dam Initials

Matrix: | Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		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 _____

Cha[illegible]f-Custody Record

Client:	Western Refining Gallup Refinery
Mailing Address:	PO Box 1 Gallup, NM
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: 1st QTR 2011

Project #: NAPIS

Project Manager: C Johnson

Sampler: C Johnson

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. 1103015	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)	WQCC Metals Total	Dissolved	Cations/Anions		Air Bubbles (Y or N)
3/2/11	0840	H2O	NAPIS-1			1	X		X								X	X	X	X		
	0925		NAPIS-3			2																
	0948		KA-3			3																
	1020		NAPIS-2			4																
	0800		Field Blank			5																
			Trip Blank			6																

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/2/11	1120		Michelle Gi	3/3/11	10:30
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, April 04, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 1st QTR 2011

Order No.: 1103289

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 3/7/2011 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

Hall Environmental Analysis Laboratory, Inc. Date: *04-Apr-11*

CLIENT: Western Refining Southwest, Gallup
Project: 1st QTR 2011
Lab Order: 1103289

CASE NARRATIVE

Both the total metals bottles and the dissolved metals bottles had a significant amount of very fine suspended solids. These solids may account for some of the dissolved metals being higher than the totals.

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump
Lab Order:	1103289	**Collection Date:**	3/3/2011 2:00:00 PM
Project:	1st QTR 2011	**Date Received:**	3/7/2011
Lab ID:	1103289-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	680	30		mg/L	10	3/8/2011 5:29:06 PM
Motor Oil Range Organics (MRO)	ND	150		mg/L	10	3/8/2011 5:29:06 PM
Surr: DNOP	124	86.9-151		%REC	10	3/8/2011 5:29:06 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	120	10		mg/L	200	3/11/2011 1:20:39 PM
Surr: BFB	121	79.4-132		%REC	200	3/11/2011 1:20:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	3/14/2011 12:58:24 PM
Benzene	5600	200		µg/L	200	3/10/2011 7:37:04 PM
Toluene	13000	200		µg/L	200	3/10/2011 7:37:04 PM
Ethylbenzene	1200	200		µg/L	200	3/10/2011 7:37:04 PM
Xylenes, Total	7900	400		µg/L	200	3/10/2011 7:37:04 PM
Surr: 4-Bromofluorobenzene	101	96.8-145		%REC	200	3/10/2011 7:37:04 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.049	0.0020		mg/L	1	3/17/2011 9:22:23 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 9:22:23 PM
Calcium	9.8	1.0		mg/L	1	3/17/2011 9:22:23 PM
Chromium	0.054	0.0060		mg/L	1	3/17/2011 9:22:23 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 9:22:23 PM
Iron	2.4	0.10		mg/L	5	3/17/2011 9:27:39 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 9:22:23 PM
Magnesium	14	1.0		mg/L	1	3/17/2011 9:22:23 PM
Manganese	0.75	0.0020		mg/L	1	3/17/2011 9:22:23 PM
Potassium	120	5.0		mg/L	5	3/17/2011 9:27:39 PM
Silver	ND	0.0050		mg/L	1	3/21/2011 4:55:38 PM
Sodium	1100	20		mg/L	20	3/18/2011 7:52:53 PM
Zinc	0.010	0.010		mg/L	1	3/17/2011 9:22:23 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.62	0.0020		mg/L	1	3/15/2011 1:09:54 PM
Cadmium	ND	0.0020		mg/L	1	3/15/2011 1:09:54 PM
Calcium	19	1.0		mg/L	1	3/15/2011 1:09:54 PM
Chromium	0.072	0.0060		mg/L	1	3/15/2011 1:09:54 PM
Copper	ND	0.0060		mg/L	1	3/15/2011 1:09:54 PM
Iron	9.4	1.0		mg/L	50	3/17/2011 11:19:15 AM
Lead	0.0056	0.0050		mg/L	1	3/15/2011 1:09:54 PM
Magnesium	16	1.0		mg/L	1	3/15/2011 1:09:54 PM
Manganese	0.81	0.0020		mg/L	1	3/17/2011 11:14:09 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump
Lab Order:	1103289	**Collection Date:**	3/3/2011 2:00:00 PM
Project:	1st QTR 2011	**Date Received:**	3/7/2011
Lab ID:	1103289-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	150	5.0		mg/L	5	3/15/2011 1:14:40 PM
Silver	ND	0.0050		mg/L	1	3/15/2011 1:09:54 PM
Sodium	1100	50		mg/L	50	3/17/2011 11:19:15 AM
Zinc	0.47	0.010		mg/L	1	3/15/2011 1:09:54 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0050		mg/L	5	3/17/2011 12:20:52 PM
Selenium	0.071	0.050		mg/L	5	3/17/2011 1:58:19 PM
Uranium	ND	0.0050		mg/L	5	3/17/2011 12:20:52 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0098	0.0050		mg/L	5	3/22/2011 1:47:31 PM
Selenium	ND	0.050		mg/L	5	3/22/2011 1:47:31 PM
Uranium	ND	0.0025		mg/L	2.5	3/21/2011 4:43:58 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	0.0024	0.00020		mg/L	1	3/10/2011 11:37:58 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1103289	**Collection Date:**	3/3/2011 2:12:00 PM
Project:	1st QTR 2011	**Date Received:**	3/7/2011
Lab ID:	1103289-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	35	1.0		mg/L	1	3/8/2011 4:21:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/8/2011 4:21:20 PM
Surr: DNOP	121	86.9-151		%REC	1	3/8/2011 4:21:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	83	10		mg/L	200	3/11/2011 1:49:24 PM
Surr: BFB	89.7	79.4-132		%REC	200	3/11/2011 1:49:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	3/14/2011 1:28:25 PM
Benzene	2600	200		µg/L	200	3/10/2011 8:05:48 PM
Toluene	7200	200		µg/L	200	3/10/2011 8:05:48 PM
Ethylbenzene	450	200		µg/L	200	3/10/2011 8:05:48 PM
Xylenes, Total	3900	400		µg/L	200	3/10/2011 8:05:48 PM
Surr: 4-Bromofluorobenzene	96.2	96.8-145	S	%REC	200	3/10/2011 8:05:48 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.48	0.0020		mg/L	1	3/17/2011 9:31:48 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 9:31:48 PM
Calcium	56	1.0		mg/L	1	3/17/2011 9:31:48 PM
Chromium	0.034	0.0060		mg/L	1	3/17/2011 9:31:48 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 9:31:48 PM
Iron	0.11	0.020		mg/L	1	3/17/2011 9:31:48 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 9:31:48 PM
Magnesium	11	1.0		mg/L	1	3/17/2011 9:31:48 PM
Manganese	0.38	0.0020		mg/L	1	3/17/2011 9:31:48 PM
Potassium	65	1.0		mg/L	1	3/17/2011 9:31:48 PM
Silver	ND	0.0050		mg/L	1	3/21/2011 4:59:33 PM
Sodium	260	5.0		mg/L	5	3/17/2011 9:37:08 PM
Zinc	ND	0.010		mg/L	1	3/17/2011 9:31:48 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.48	0.0020		mg/L	1	3/15/2011 1:19:53 PM
Cadmium	ND	0.0020		mg/L	1	3/15/2011 1:19:53 PM
Calcium	58	1.0		mg/L	1	3/15/2011 1:19:53 PM
Chromium	0.035	0.0060		mg/L	1	3/15/2011 1:19:53 PM
Copper	ND	0.0060		mg/L	1	3/15/2011 1:19:53 PM
Iron	0.57	0.020		mg/L	1	3/15/2011 1:19:53 PM
Lead	ND	0.0050		mg/L	1	3/15/2011 1:19:53 PM
Magnesium	11	1.0		mg/L	1	3/15/2011 1:19:53 PM
Manganese	0.39	0.0020		mg/L	1	3/17/2011 11:23:12 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
- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1103289	**Collection Date:**	3/3/2011 2:12:00 PM
Project:	1st QTR 2011	**Date Received:**	3/7/2011
Lab ID:	1103289-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	66	1.0		mg/L	1	3/15/2011 1:19:53 PM
Silver	ND	0.0050		mg/L	1	3/15/2011 1:19:53 PM
Sodium	280	5.0		mg/L	5	3/15/2011 1:51:10 PM
Zinc	0.014	0.010		mg/L	1	3/15/2011 1:19:53 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0050		mg/L	5	3/17/2011 12:26:32 PM
Selenium	ND	0.050		mg/L	5	3/17/2011 2:01:31 PM
Uranium	ND	0.0050		mg/L	5	3/17/2011 12:26:32 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0058	0.0050		mg/L	5	3/22/2011 1:54:44 PM
Selenium	ND	0.050		mg/L	5	3/22/2011 1:54:44 PM
Uranium	ND	0.0025		mg/L	2.5	3/21/2011 4:51:11 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	3/10/2011 11:39:42 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1103289	**Collection Date:**	3/3/2011 2:24:00 PM
Project:	1st QTR 2011	**Date Received:**	3/7/2011
Lab ID:	1103289-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	15	1.0		mg/L	1	3/8/2011 4:55:13 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/8/2011 4:55:13 PM
Surr: DNOP	118	86.9-151		%REC	1	3/8/2011 4:55:13 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	40	10		mg/L	200	3/11/2011 2:18:13 PM
Surr: BFB	88.1	79.4-132		%REC	200	3/11/2011 2:18:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	3/14/2011 1:58:41 PM
Benzene	6100	200		µg/L	200	3/10/2011 8:34:30 PM
Toluene	17000	200		µg/L	200	3/10/2011 8:34:30 PM
Ethylbenzene	920	200		µg/L	200	3/10/2011 8:34:30 PM
Xylenes, Total	7900	400		µg/L	200	3/10/2011 8:34:30 PM
Surr: 4-Bromofluorobenzene	97.6	96.8-145		%REC	200	3/10/2011 8:34:30 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.46	0.0020		mg/L	1	3/17/2011 9:42:51 PM
Cadmium	ND	0.0020		mg/L	1	3/17/2011 9:42:51 PM
Calcium	9.7	1.0		mg/L	1	3/17/2011 9:42:51 PM
Chromium	0.077	0.0060		mg/L	1	3/17/2011 9:42:51 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 9:42:51 PM
Iron	2.1	0.10		mg/L	5	3/17/2011 10:01:41 PM
Lead	ND	0.0050		mg/L	1	3/17/2011 9:42:51 PM
Magnesium	7.5	1.0		mg/L	1	3/17/2011 9:42:51 PM
Manganese	1.3	0.010		mg/L	5	3/17/2011 10:01:41 PM
Potassium	160	5.0		mg/L	5	3/17/2011 10:01:41 PM
Silver	ND	0.0050		mg/L	1	3/21/2011 5:01:52 PM
Sodium	1000	20		mg/L	20	3/18/2011 8:19:51 PM
Zinc	0.012	0.010		mg/L	1	3/17/2011 9:42:51 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.49	0.0020		mg/L	1	3/15/2011 1:55:23 PM
Cadmium	ND	0.0020		mg/L	1	3/15/2011 1:55:23 PM
Calcium	13	1.0		mg/L	1	3/15/2011 1:55:23 PM
Chromium	0.080	0.0060		mg/L	1	3/15/2011 1:55:23 PM
Copper	ND	0.0060		mg/L	1	3/17/2011 11:40:48 AM
Iron	4.1	0.10		mg/L	5	3/17/2011 11:45:48 AM
Lead	ND	0.0050		mg/L	1	3/15/2011 1:55:23 PM
Magnesium	8.2	1.0		mg/L	1	3/15/2011 1:55:23 PM
Manganese	1.3	0.010		mg/L	5	3/17/2011 11:45:48 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
- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1103289	**Collection Date:**	3/3/2011 2:24:00 PM
Project:	1st QTR 2011	**Date Received:**	3/7/2011
Lab ID:	1103289-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	160	5.0		mg/L	5	3/15/2011 2:00:44 PM
Silver	ND	0.0050		mg/L	1	3/15/2011 1:55:23 PM
Sodium	970	20		mg/L	20	3/17/2011 11:49:40 AM
Zinc	0.067	0.010		mg/L	1	3/15/2011 1:55:23 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0050		mg/L	5	3/17/2011 12:32:13 PM
Selenium	ND	0.050		mg/L	5	3/17/2011 2:04:43 PM
Uranium	ND	0.0050		mg/L	5	3/17/2011 12:32:13 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0083	0.0050		mg/L	5	3/22/2011 4:51:14 PM
Selenium	ND	0.050		mg/L	5	3/22/2011 2:12:44 PM
Uranium	ND	0.0025		mg/L	2.5	3/21/2011 4:58:23 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	3/10/2011 11:41:27 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1103289	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	3/7/2011
Lab ID:	1103289-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/11/2011 2:47:00 PM
Surr: BFB	85.9	79.4-132		%REC	1	3/11/2011 2:47:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/14/2011 2:28:53 PM
Benzene	ND	1.0		µg/L	1	3/10/2011 11:26:41 PM
Toluene	ND	1.0		µg/L	1	3/10/2011 11:26:41 PM
Ethylbenzene	ND	1.0		µg/L	1	3/10/2011 11:26:41 PM
Xylenes, Total	ND	2.0		µg/L	1	3/10/2011 11:26:41 PM
Surr: 4-Bromofluorobenzene	96.4	96.8-145	S	%REC	1	3/10/2011 11:26:41 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
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: 1st QTR 2011 **Work Order:** 110328

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-25944		*MBLK*				Batch ID:	**25944**	Analysis Date:	3/15/2011 11:57:05 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-25744		*MBLK*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 6:03:13 PM		
Zinc	ND	mg/L	0.010								
Sample ID: LCS-25944		*LCS*				Batch ID:	**25944**	Analysis Date:	3/15/2011 12:01:32 PM		
Arsenic	0.5003	mg/L	0.020	0.5	0	100	85	115			
Barium	0.4618	mg/L	0.0020	0.5	0	92.4	85	115			
Cadmium	0.4752	mg/L	0.0020	0.5	0	95.0	85	115			
Calcium	51.69	mg/L	1.0	50.5	0	102	85	115			
Chromium	0.5020	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.5250	mg/L	0.0060	0.5	0.0017	105	85	115			
Iron	0.4824	mg/L	0.020	0.5	0	96.5	85	115			
Lead	0.4781	mg/L	0.0050	0.5	0	95.6	85	115			
Magnesium	52.75	mg/L	1.0	50.5	0	104	85	115			
Manganese	0.4816	mg/L	0.0020	0.5	0	96.3	85	115			
Potassium	54.82	mg/L	1.0	55	0.1307	99.4	85	115			
Selenium	0.4712	mg/L	0.050	0.5	0	94.2	85	115			
Silver	0.5057	mg/L	0.0050	0.5	0	101	85	115			
Sodium	51.70	mg/L	1.0	50.5	0.0878	102	85	115			
Zinc	0.4809	mg/L	0.010	0.5	0	96.2	85	115			

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: 1st QTR 2011 **Work Order:** 1103289

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID:** R44178		**Analysis Date:** 3/17/2011 5:53:56 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				**Batch ID:** R44208		**Analysis Date:** 3/18/2011 5:24:22 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				**Batch ID:** R44222		**Analysis Date:** 3/21/2011 4:03:18 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				**Batch ID:** R44178		**Analysis Date:** 3/17/2011 5:58:56 PM			
Barium	0.4694	mg/L	0.0020	0.5	0	93.9	85	115			
Cadmium	0.4840	mg/L	0.0020	0.5	0	96.8	85	115			

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: 1st QTR 2011 **Work Order:** 110328

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R44178**	Analysis Date:	3/17/2011 5:58:56 PM		
Chromium	0.4993	mg/L	0.0060	0.5	0	99.9	85	115			
Copper	0.5129	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5457	mg/L	0.020	0.5	0	109	85	115			
Lead	0.4881	mg/L	0.0050	0.5	0	97.6	85	115			
Manganese	0.4865	mg/L	0.0020	0.5	0	97.3	85	115			
Silver	0.5086	mg/L	0.0050	0.5	0	102	85	115			
Zinc	0.4965	mg/L	0.010	0.5	0	99.3	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44178**	Analysis Date:	3/18/2011 12:31:05 PM		
Calcium	54.78	mg/L	1.0	50.5	0.0077	108	85	115			
Magnesium	55.99	mg/L	1.0	50.5	0	111	85	115			
Potassium	57.37	mg/L	1.0	55	0	104	85	115			
Sodium	53.78	mg/L	1.0	50.5	0	106	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:28:29 PM		
Barium	0.4515	mg/L	0.0020	0.5	0	90.3	85	115			
Cadmium	0.4810	mg/L	0.0020	0.5	0	96.2	85	115			
Chromium	0.4844	mg/L	0.0060	0.5	0	96.9	85	115			
Copper	0.4840	mg/L	0.0060	0.5	0	96.8	85	115			
Iron	0.5538	mg/L	0.020	0.5	0.0103	109	85	115			
Lead	0.4750	mg/L	0.0050	0.5	0	95.0	85	115			
Manganese	0.4631	mg/L	0.0020	0.5	0	92.6	85	115			
Silver	0.4859	mg/L	0.0050	0.5	0	97.2	85	115			
Zinc	0.4760	mg/L	0.010	0.5	0	95.2	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44222**	Analysis Date:	3/21/2011 4:07:02 PM		
Barium	0.4563	mg/L	0.0020	0.5	0	91.3	85	115			
Cadmium	0.4898	mg/L	0.0020	0.5	0	98.0	85	115			
Calcium	43.53	mg/L	1.0	50.5	0.0088	86.2	85	115			
Chromium	0.4936	mg/L	0.0060	0.5	0	98.7	85	115			
Copper	0.5001	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4675	mg/L	0.020	0.5	0	93.5	85	115			
Lead	0.4873	mg/L	0.0050	0.5	0	97.5	85	115			
Magnesium	44.92	mg/L	1.0	50.5	0	88.9	85	115			
Manganese	0.4772	mg/L	0.0020	0.5	0	95.4	85	115			
Potassium	47.72	mg/L	1.0	55	0	86.8	85	115			
Silver	0.4839	mg/L	0.0050	0.5	0	96.8	85	115			
Sodium	44.18	mg/L	1.0	50.5	0	87.5	85	115			
Zinc	0.4911	mg/L	0.010	0.5	0	98.2	85	115			

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: 1st QTR 2011 **Work Order:** 1103289

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R44163**		**Analysis Date: 3/17/2011 11:41:11 AM**			
Arsenic	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				**Batch ID: R44163**		**Analysis Date: 3/17/2011 1:42:24 PM**			
Selenium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				**Batch ID: R44163**		**Analysis Date: 3/17/2011 11:46:51 AM**			
Arsenic	0.02461	mg/L	0.0010	0.025	0	98.4	85	115			
Uranium	0.02361	mg/L	0.0010	0.025	0	94.4	85	115			
Sample ID: LCS		*LCS*				**Batch ID: R44163**		**Analysis Date: 3/17/2011 1:45:34 PM**			
Selenium	0.02377	mg/L	0.0010	0.025	0.0003	93.8	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-25944		*MBLK*				**Batch ID: 25944**		**Analysis Date: 3/21/2011 2:54:24 PM**			
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Method: EPA Method 245.1: Mercury											
Sample ID: MB-25908		*MBLK*				**Batch ID: 25908**		**Analysis Date: 3/10/2011 11:09:14 AM**			
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-25908		*LCS*				**Batch ID: 25908**		**Analysis Date: 3/10/2011 11:11:00 AM**			
Mercury	0.005845	mg/L	0.00020	0.005	0	117	80	120			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25850		*MBLK*				**Batch ID: 25850**		**Analysis Date: 3/7/2011 12:05:25 PM**			
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25850		*LCS*				**Batch ID: 25850**		**Analysis Date: 3/7/2011 12:39:33 PM**			
Diesel Range Organics (DRO)	5.749	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-25850		*LCSD*				**Batch ID: 25850**		**Analysis Date: 3/7/2011 1:13:42 PM**			
Diesel Range Organics (DRO)	6.209	mg/L	1.0	5	0	124	74	157	7.70	23	

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: 1st QTR 2011 **Work Order:** 1103289

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44083**	Analysis Date:		3/11/2011 9:01:51 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44104**	Analysis Date:		3/14/2011 8:27:19 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R44083**	Analysis Date:		3/11/2011 7:05:38 PM	
Gasoline Range Organics (GRO)	0.5796	mg/L	0.050	0.5	0	116	81.8	120			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 2:59:18 AM	
Gasoline Range Organics (GRO)	0.4696	mg/L	0.050	0.5	0	93.9	81.8	120			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R44059**	Analysis Date:		3/11/2011 3:44:56 AM	
Gasoline Range Organics (GRO)	0.5500	mg/L	0.050	0.5	0	110	81.8	120	14.5	17.1	
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R44083**	Analysis Date:		3/11/2011 7:34:26 PM	
Gasoline Range Organics (GRO)	0.5338	mg/L	0.050	0.5	0	107	81.8	120	8.23	17.1	
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 3:29:13 AM	
Gasoline Range Organics (GRO)	0.4652	mg/L	0.050	0.5	0	93.0	81.8	120	0.941	17.1	

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

C: Western Refining Southwest, Gallup
1: 1st QTR 2011 **Work Order:** 1103289

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44059**	Analysis Date:		3/10/2011 10:01:55 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44104**	Analysis Date:		3/14/2011 8:27:19 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R44059**	Analysis Date:		3/11/2011 4:13:41 AM	
Methyl tert-butyl ether (MTBE)	20.20	µg/L	2.5	20	0	101	97.6	132			
Benzene	19.51	µg/L	1.0	20	0	97.6	93.4	120			
Toluene	19.92	µg/L	1.0	20	0.1272	99.0	96.2	122			
Ethylbenzene	20.12	µg/L	1.0	20	0	101	95	121			
Xylenes, Total	60.92	µg/L	2.0	60	0	102	97.6	122			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 1:59:25 AM	
M rt-butyl ether (MTBE)	19.15	µg/L	2.5	20	0	95.8	97.6	132			S
Be	20.06	µg/L	1.0	20	0.128	99.7	93.4	120			
Toluene	20.19	µg/L	1.0	20	0.168	100	96.2	122			
Ethylbenzene	19.94	µg/L	1.0	20	0.14	99.0	95	121			
Xylenes, Total	61.55	µg/L	2.0	60	0	103	97.6	122			
Sample ID: 100NG BTEX LCSD		*LCSD*				Batch ID:	**R44059**	Analysis Date:		3/11/2011 4:42:27 AM	
Methyl tert-butyl ether (MTBE)	19.86	µg/L	2.5	20	0	99.3	97.6	132	1.69	10.6	
Benzene	18.88	µg/L	1.0	20	0	94.4	93.4	120	3.28	10.1	
Toluene	19.32	µg/L	1.0	20	0.1272	96.0	96.2	122	3.06	14.3	S
Ethylbenzene	19.07	µg/L	1.0	20	0	95.3	95	121	5.36	15.5	
Xylenes, Total	57.54	µg/L	2.0	60	0	95.9	97.6	122	5.71	10.4	S
Sample ID: 100NG BTEX LCSD		*LCSD*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 2:29:19 AM	
Methyl tert-butyl ether (MTBE)	20.12	µg/L	2.5	20	0	101	97.6	132	4.90	10.6	
Benzene	19.89	µg/L	1.0	20	0.128	98.8	93.4	120	0.871	10.1	
Toluene	19.91	µg/L	1.0	20	0.168	98.7	96.2	122	1.40	14.3	
Ethylbenzene	19.85	µg/L	1.0	20	0.14	98.6	95	121	0.452	15.5	
Xylenes, Total	60.55	µg/L	2.0	60	0	101	97.6	122	1.64	10.4	

Q rs:

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: 3/7/2011

Work Order Number 1103289 Received by: AMG

Checklist completed by: Signature 3/7/11 Date Sample ID labels checked by: MG Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.4°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12 (<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: added 1 ml HNO_3 to lead # 1C and #3C, added 0.4 ml HNO_3 to lead # 1B to reach acceptable pH level for proper analysis. AG 3/8

Corrective Action _____

Cha[illegible]of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Pt 3 Box 7 Gallup, NM
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: 1st QTR 2011
Project #: LDUs
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 5.4

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. 1103383	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)	WQCC Metals Total & Dissolved				Air Bubbles (Y or N)
3/3/11	1460	H2O	Oil Sump			1	X		X									X				
"	1412	"	East LDU			2	"		"									"				
"	1424	"	West LDU			3	"		"									"				
			Trip Blank			4																

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/3/11	1520			3/7/11	1155
3-7-11	11:55			3-7-11	11:55

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, April 04, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 1st QTR

Order No.: 1103400

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 3/9/2011 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

Hall Environmental Analysis Laboratory, Inc. Date: *04-Apr-11*

CLIENT: Western Refining Southwest, Gallup
Project: 1st QTR
Lab Order: 1103400

CASE NARRATIVE

Both the total metals bottles and the dissolved metals bottles had a significant amount of very fine suspended solids. These solids may account for some of the dissolved metals being higher than the totals.

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	8.4	3.0		mg/L	1	3/10/2011 9:26:57 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	3/10/2011 9:26:57 PM
Surr: DNOP	107	86.9-151		%REC	1	3/10/2011 9:26:57 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.34	0.25		mg/L	5	3/15/2011 12:26:04 PM
Surr: BFB	98.0	79.4-132		%REC	5	3/15/2011 12:26:04 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	260	10		mg/L	100	3/17/2011 11:01:28 PM
Chloride	300	50		mg/L	100	3/17/2011 11:01:28 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	3/10/2011 4:15:31 PM
Bromide	3.0	0.50		mg/L	5	3/10/2011 4:15:31 PM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	3/10/2011 4:15:31 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	3/10/2011 4:15:31 PM
Sulfate	940	10		mg/L	20	3/10/2011 4:26:45 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.021	0.0020		mg/L	1	3/18/2011 1:53:05 PM
Cadmium	ND	0.0020		mg/L	1	3/18/2011 1:53:05 PM
Calcium	16	1.0		mg/L	1	3/18/2011 1:53:05 PM
Chromium	0.020	0.0060		mg/L	1	3/18/2011 1:53:05 PM
Copper	ND	0.0060		mg/L	1	3/18/2011 1:53:05 PM
Iron	4.9	0.20		mg/L	10	3/18/2011 1:58:26 PM
Lead	ND	0.0050		mg/L	1	3/18/2011 1:53:05 PM
Magnesium	12	1.0		mg/L	1	3/18/2011 1:53:05 PM
Manganese	0.20	0.0020		mg/L	1	3/18/2011 1:53:05 PM
Potassium	52	1.0		mg/L	1	3/18/2011 1:53:05 PM
Silver	ND	0.0050		mg/L	1	3/22/2011 10:10:20 AM
Sodium	710	10		mg/L	10	3/18/2011 1:58:26 PM
Zinc	0.10	0.010		mg/L	1	3/18/2011 1:53:05 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.045	0.0020		mg/L	1	3/15/2011 2:10:05 PM
Cadmium	ND	0.0020		mg/L	1	3/15/2011 2:10:05 PM
Calcium	30	1.0		mg/L	1	3/15/2011 2:10:05 PM
Chromium	0.023	0.0060		mg/L	1	3/15/2011 2:10:05 PM
Copper	0.0072	0.0060		mg/L	1	3/17/2011 12:39:17 PM
Iron	6.5	0.20		mg/L	10	3/17/2011 12:45:55 PM
Lead	ND	0.0050		mg/L	1	3/15/2011 2:10:05 PM
Magnesium	13	1.0		mg/L	1	3/15/2011 2:10:05 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Manganese	0.21	0.0020		mg/L	1	3/17/2011 12:39:17 PM
Potassium	54	1.0		mg/L	1	3/15/2011 2:10:05 PM
Silver	ND	0.0050		mg/L	1	3/15/2011 2:10:05 PM
Sodium	680	10		mg/L	10	3/17/2011 12:45:55 PM
Zinc	0.18	0.010		mg/L	1	3/15/2011 2:10:05 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0082	0.0020		mg/L	2	3/22/2011 5:20:02 PM
Selenium	ND	0.050		mg/L	2	3/22/2011 2:30:45 PM
Uranium	ND	0.0050		mg/L	5	3/22/2011 4:40:25 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.011	0.0025		mg/L	2.5	3/21/2011 4:15:08 PM
Selenium	ND	0.050		mg/L	2.5	3/21/2011 4:15:08 PM
Uranium	ND	0.0025		mg/L	2.5	3/21/2011 4:15:08 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	0.00026	0.00020		mg/L	1	3/15/2011 12:59:28 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Acenaphthylene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Aniline	240	50		µg/L	1	3/24/2011 12:01:32 PM
Anthracene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Azobenzene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Benz(a)anthracene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Benzoic acid	ND	100		µg/L	1	3/24/2011 12:01:32 PM
Benzyl alcohol	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/24/2011 12:01:32 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Butyl benzyl phthalate	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Carbazole	ND	50		µg/L	1	3/24/2011 12:01:32 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/24/2011 12:01:32 PM
4-Chloroaniline	ND	50		µg/L	1	3/24/2011 12:01:32 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Chloronaphthalene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2-Chlorophenol	ND	50		µg/L	1	3/24/2011 12:01:32 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Chrysene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Dibenzofuran	ND	50		µg/L	1	3/24/2011 12:01:32 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Diethyl phthalate	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Dimethyl phthalate	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/24/2011 12:01:32 PM
2,4-Dimethylphenol	170	50		µg/L	1	3/24/2011 12:01:32 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/24/2011 12:01:32 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/24/2011 12:01:32 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Fluoranthene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Fluorene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Hexachlorobenzene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Hexachloroethane	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Isophorone	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2-Methylnaphthalene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2-Methylphenol	1100	50		µg/L	1	3/24/2011 12:01:32 PM
3+4-Methylphenol	2200	500		µg/L	10	3/24/2011 2:34:20 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/24/2011 12:01:32 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/24/2011 12:01:32 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Naphthalene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2-Nitroaniline	ND	50		µg/L	1	3/24/2011 12:01:32 PM
3-Nitroaniline	ND	50		µg/L	1	3/24/2011 12:01:32 PM
4-Nitroaniline	ND	100		µg/L	1	3/24/2011 12:01:32 PM
Nitrobenzene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2-Nitrophenol	ND	50		µg/L	1	3/24/2011 12:01:32 PM
4-Nitrophenol	ND	50		µg/L	1	3/24/2011 12:01:32 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pentachlorophenol	ND	100		µg/L	1	3/24/2011 12:01:32 PM
Phenanthrene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Phenol	3000	500		µg/L	10	3/24/2011 2:34:20 PM
Pyrene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Pyridine	ND	50		µg/L	1	3/24/2011 12:01:32 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/24/2011 12:01:32 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/24/2011 12:01:32 PM
Surr: 2,4,6-Tribromophenol	38.0	17.5-104		%REC	1	3/24/2011 12:01:32 PM
Surr: 2-Fluorobiphenyl	42.7	30.9-98.9		%REC	1	3/24/2011 12:01:32 PM
Surr: 2-Fluorophenol	33.0	12.4-90.1		%REC	1	3/24/2011 12:01:32 PM
Surr: 4-Terphenyl-d14	44.9	43.5-91.9		%REC	1	3/24/2011 12:01:32 PM
Surr: Nitrobenzene-d5	43.8	26.2-108		%REC	1	3/24/2011 12:01:32 PM
Surr: Phenol-d5	29.0	11.8-73.1		%REC	1	3/24/2011 12:01:32 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Toluene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Ethylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Naphthalene	ND	10		µg/L	5	3/11/2011 6:57:32 PM
1-Methylnaphthalene	ND	20		µg/L	5	3/11/2011 6:57:32 PM
2-Methylnaphthalene	ND	20		µg/L	5	3/11/2011 6:57:32 PM
Acetone	1200	500		µg/L	50	3/14/2011 5:02:01 PM
Bromobenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Bromoform	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Bromomethane	ND	15		µg/L	5	3/11/2011 6:57:32 PM
2-Butanone	480	50		µg/L	5	3/11/2011 6:57:32 PM
Carbon disulfide	ND	50		µg/L	5	3/11/2011 6:57:32 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Chlorobenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Chloroethane	ND	10		µg/L	5	3/11/2011 6:57:32 PM
Chloroform	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Chloromethane	ND	15		µg/L	5	3/11/2011 6:57:32 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 6:57:32 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
cis-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/11/2011 6:57:32 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Dibromomethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/11/2011 6:57:32 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
2-Hexanone	ND	50		µg/L	5	3/11/2011 6:57:32 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/11/2011 6:57:32 PM
Methylene Chloride	ND	15		µg/L	5	3/11/2011 6:57:32 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Styrene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/11/2011 6:57:32 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/11/2011 6:57:32 PM
Vinyl chloride	ND	5.0		µg/L	5	3/11/2011 6:57:32 PM
Xylenes, Total	ND	7.5		µg/L	5	3/11/2011 6:57:32 PM
Surr: 1,2-Dichloroethane-d4	108	65.8-138		%REC	5	3/11/2011 6:57:32 PM

Qualifiers:

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- 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
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Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Surr: 4-Bromofluorobenzene	101	72.7-128		%REC	5	3/11/2011 6:57:32 PM
Surr: Dibromofluoromethane	106	69-135		%REC	5	3/11/2011 6:57:32 PM
Surr: Toluene-d8	101	86.1-134		%REC	5	3/11/2011 6:57:32 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	7.75	0.100		pH units	1	3/10/2011 4:14:00 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:30:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.8	1.0		mg/L	1	3/10/2011 10:00:39 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/10/2011 10:00:39 PM
Surr: DNOP	109	86.9-151		%REC	1	3/10/2011 10:00:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	1.7	1.0		mg/L	20	3/14/2011 5:59:06 PM
Surr: BFB	96.4	79.4-132		%REC	20	3/14/2011 5:59:06 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	350	25		mg/L	50	3/10/2011 4:49:13 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Acenaphthylene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Aniline	690	50		µg/L	1	3/24/2011 12:30:49 PM
Anthracene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Azobenzene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Benz(a)anthracene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Benzoic acid	ND	100		µg/L	1	3/24/2011 12:30:49 PM
Benzyl alcohol	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/24/2011 12:30:49 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Butyl benzyl phthalate	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Carbazole	ND	50		µg/L	1	3/24/2011 12:30:49 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/24/2011 12:30:49 PM
4-Chloroaniline	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2-Chloronaphthalene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2-Chlorophenol	ND	50		µg/L	1	3/24/2011 12:30:49 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Chrysene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Dibenzofuran	ND	50		µg/L	1	3/24/2011 12:30:49 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:30:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Diethyl phthalate	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Dimethyl phthalate	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/24/2011 12:30:49 PM
2,4-Dimethylphenol	280	50		µg/L	1	3/24/2011 12:30:49 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/24/2011 12:30:49 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/24/2011 12:30:49 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Fluoranthene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Fluorene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Hexachlorobenzene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Hexachloroethane	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Isophorone	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2-Methylnaphthalene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2-Methylphenol	1700	500		µg/L	10	3/24/2011 3:04:03 PM
3+4-Methylphenol	3800	500		µg/L	10	3/24/2011 3:04:03 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/24/2011 12:30:49 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/24/2011 12:30:49 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Naphthalene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2-Nitroaniline	ND	50		µg/L	1	3/24/2011 12:30:49 PM
3-Nitroaniline	ND	50		µg/L	1	3/24/2011 12:30:49 PM
4-Nitroaniline	ND	100		µg/L	1	3/24/2011 12:30:49 PM
Nitrobenzene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2-Nitrophenol	ND	50		µg/L	1	3/24/2011 12:30:49 PM
4-Nitrophenol	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Pentachlorophenol	ND	100		µg/L	1	3/24/2011 12:30:49 PM
Phenanthrene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Phenol	8100	500		µg/L	10	3/24/2011 3:04:03 PM
Pyrene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
Pyridine	ND	50		µg/L	1	3/24/2011 12:30:49 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/24/2011 12:30:49 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/24/2011 12:30:49 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:30:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: 2,4,6-Tribromophenol	51.4	17.5-104		%REC	1	3/24/2011 12:30:49 PM
Surr: 2-Fluorobiphenyl	56.6	30.9-98.9		%REC	1	3/24/2011 12:30:49 PM
Surr: 2-Fluorophenol	43.2	12.4-90.1		%REC	1	3/24/2011 12:30:49 PM
Surr: 4-Terphenyl-d14	56.1	43.5-91.9		%REC	1	3/24/2011 12:30:49 PM
Surr: Nitrobenzene-d5	59.2	26.2-108		%REC	1	3/24/2011 12:30:49 PM
Surr: Phenol-d5	38.8	11.8-73.1		%REC	1	3/24/2011 12:30:49 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	74	5.0		µg/L	5	3/11/2011 7:25:06 PM
Toluene	140	5.0		µg/L	5	3/11/2011 7:25:06 PM
Ethylbenzene	14	5.0		µg/L	5	3/11/2011 7:25:06 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2,4-Trimethylbenzene	33	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,3,5-Trimethylbenzene	9.8	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Naphthalene	77	10		µg/L	5	3/11/2011 7:25:06 PM
1-Methylnaphthalene	74	20		µg/L	5	3/11/2011 7:25:06 PM
2-Methylnaphthalene	130	20		µg/L	5	3/11/2011 7:25:06 PM
Acetone	1000	200		µg/L	20	3/14/2011 5:28:16 PM
Bromobenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Bromoform	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Bromomethane	ND	15		µg/L	5	3/11/2011 7:25:06 PM
2-Butanone	ND	50		µg/L	5	3/11/2011 7:25:06 PM
Carbon disulfide	ND	50		µg/L	5	3/11/2011 7:25:06 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Chlorobenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Chloroethane	ND	10		µg/L	5	3/11/2011 7:25:06 PM
Chloroform	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Chloromethane	ND	15		µg/L	5	3/11/2011 7:25:06 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/11/2011 7:25:06 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Dibromomethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:30:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/11/2011 7:25:06 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
2-Hexanone	ND	50		µg/L	5	3/11/2011 7:25:06 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/11/2011 7:25:06 PM
Methylene Chloride	ND	15		µg/L	5	3/11/2011 7:25:06 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Styrene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/11/2011 7:25:06 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/11/2011 7:25:06 PM
Vinyl chloride	ND	5.0		µg/L	5	3/11/2011 7:25:06 PM
Xylenes, Total	100	7.5		µg/L	5	3/11/2011 7:25:06 PM
Surr: 1,2-Dichloroethane-d4	106	65.8-138		%REC	5	3/11/2011 7:25:06 PM
Surr: 4-Bromofluorobenzene	107	72.7-128		%REC	5	3/11/2011 7:25:06 PM
Surr: Dibromofluoromethane	97.9	69-135		%REC	5	3/11/2011 7:25:06 PM
Surr: Toluene-d8	106	86.1-134		%REC	5	3/11/2011 7:25:06 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.61	0.100		pH units	1	3/10/2011 4:18:00 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
- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:45:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.2	3.0		mg/L	1	3/10/2011 10:34:31 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	3/10/2011 10:34:31 PM
Surr: DNOP	108	86.9-151		%REC	1	3/10/2011 10:34:31 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.45	0.25		mg/L	5	3/15/2011 12:56:09 PM
Surr: BFB	96.8	79.4-132		%REC	5	3/15/2011 12:56:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	330	10		mg/L	20	3/10/2011 5:11:41 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Acenaphthylene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Aniline	160	50		µg/L	1	3/24/2011 1:00:09 PM
Anthracene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Azobenzene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Benz(a)anthracene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Benzoic acid	ND	100		µg/L	1	3/24/2011 1:00:09 PM
Benzyl alcohol	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/24/2011 1:00:09 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Butyl benzyl phthalate	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Carbazole	ND	50		µg/L	1	3/24/2011 1:00:09 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/24/2011 1:00:09 PM
4-Chloroaniline	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2-Chloronaphthalene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2-Chlorophenol	ND	50		µg/L	1	3/24/2011 1:00:09 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Chrysene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Dibenzofuran	ND	50		µg/L	1	3/24/2011 1:00:09 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
- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:45:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Diethyl phthalate	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Dimethyl phthalate	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/24/2011 1:00:09 PM
2,4-Dimethylphenol	100	50		µg/L	1	3/24/2011 1:00:09 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/24/2011 1:00:09 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/24/2011 1:00:09 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Fluoranthene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Fluorene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Hexachlorobenzene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Hexachloroethane	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Isophorone	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2-Methylnaphthalene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2-Methylphenol	670	50		µg/L	1	3/24/2011 1:00:09 PM
3+4-Methylphenol	1200	500		µg/L	10	3/24/2011 3:33:37 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/24/2011 1:00:09 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/24/2011 1:00:09 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Naphthalene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2-Nitroaniline	ND	50		µg/L	1	3/24/2011 1:00:09 PM
3-Nitroaniline	ND	50		µg/L	1	3/24/2011 1:00:09 PM
4-Nitroaniline	ND	100		µg/L	1	3/24/2011 1:00:09 PM
Nitrobenzene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2-Nitrophenol	ND	50		µg/L	1	3/24/2011 1:00:09 PM
4-Nitrophenol	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Pentachlorophenol	ND	100		µg/L	1	3/24/2011 1:00:09 PM
Phenanthrene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Phenol	2400	500		µg/L	10	3/24/2011 3:33:37 PM
Pyrene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
Pyridine	ND	50		µg/L	1	3/24/2011 1:00:09 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/24/2011 1:00:09 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/24/2011 1:00:09 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:45:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: 2,4,6-Tribromophenol	27.8	17.5-104		%REC	1	3/24/2011 1:00:09 PM
Surr: 2-Fluorobiphenyl	51.4	30.9-98.9		%REC	10	3/24/2011 3:33:37 PM
Surr: 2-Fluorophenol	26.8	12.4-90.1		%REC	1	3/24/2011 1:00:09 PM
Surr: 4-Terphenyl-d14	46.8	43.5-91.9		%REC	10	3/24/2011 3:33:37 PM
Surr: Nitrobenzene-d5	33.5	26.2-108		%REC	1	3/24/2011 1:00:09 PM
Surr: Phenol-d5	22.9	11.8-73.1		%REC	1	3/24/2011 1:00:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Toluene	6.2	5.0		µg/L	5	3/11/2011 8:20:24 PM
Ethylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Naphthalene	12	10		µg/L	5	3/11/2011 8:20:24 PM
1-Methylnaphthalene	ND	20		µg/L	5	3/11/2011 8:20:24 PM
2-Methylnaphthalene	23	20		µg/L	5	3/11/2011 8:20:24 PM
Acetone	1300	500		µg/L	50	3/14/2011 5:54:29 PM
Bromobenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Bromoform	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Bromomethane	ND	15		µg/L	5	3/11/2011 8:20:24 PM
2-Butanone	ND	50		µg/L	5	3/11/2011 8:20:24 PM
Carbon disulfide	ND	50		µg/L	5	3/11/2011 8:20:24 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Chlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Chloroethane	ND	10		µg/L	5	3/11/2011 8:20:24 PM
Chloroform	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Chloromethane	ND	15		µg/L	5	3/11/2011 8:20:24 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/11/2011 8:20:24 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Dibromomethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:45:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/11/2011 8:20:24 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
2-Hexanone	ND	50		µg/L	5	3/11/2011 8:20:24 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/11/2011 8:20:24 PM
Methylene Chloride	ND	15		µg/L	5	3/11/2011 8:20:24 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Styrene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/11/2011 8:20:24 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/11/2011 8:20:24 PM
Vinyl chloride	ND	5.0		µg/L	5	3/11/2011 8:20:24 PM
Xylenes, Total	ND	7.5		µg/L	5	3/11/2011 8:20:24 PM
Surr: 1,2-Dichloroethane-d4	117	65.8-138		%REC	5	3/11/2011 8:20:24 PM
Surr: 4-Bromofluorobenzene	107	72.7-128		%REC	5	3/11/2011 8:20:24 PM
Surr: Dibromofluoromethane	99.6	69-135		%REC	5	3/11/2011 8:20:24 PM
Surr: Toluene-d8	102	86.1-134		%REC	5	3/11/2011 8:20:24 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.11	0.100		pH units	1	3/10/2011 4:27:00 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1103400	**Collection Date:**	3/9/2011 8:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.0	1.0		mg/L	1	3/10/2011 11:08:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/10/2011 11:08:24 PM
Surr: DNOP	107	86.9-151		%REC	1	3/10/2011 11:08:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.25		mg/L	5	3/15/2011 1:26:12 PM
Surr: BFB	92.0	79.4-132		%REC	5	3/15/2011 1:26:12 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.019	0.0020		mg/L	1	3/18/2011 2:02:39 PM
Cadmium	ND	0.0020		mg/L	1	3/18/2011 2:02:39 PM
Calcium	250	10		mg/L	10	3/18/2011 2:07:45 PM
Chromium	ND	0.0060		mg/L	1	3/18/2011 2:02:39 PM
Copper	0.019	0.0060		mg/L	1	3/18/2011 2:02:39 PM
Iron	0.22	0.020		mg/L	1	3/18/2011 2:02:39 PM
Lead	ND	0.0050		mg/L	1	3/18/2011 2:02:39 PM
Magnesium	52	1.0		mg/L	1	3/18/2011 2:02:39 PM
Manganese	0.052	0.0020		mg/L	1	3/18/2011 2:02:39 PM
Potassium	17	1.0		mg/L	1	3/18/2011 2:02:39 PM
Silver	ND	0.0050		mg/L	1	3/22/2011 10:12:40 AM
Sodium	220	10		mg/L	10	3/18/2011 2:07:45 PM
Zinc	0.050	0.010		mg/L	1	3/18/2011 2:02:39 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.027	0.0020		mg/L	1	3/15/2011 2:20:50 PM
Cadmium	ND	0.0020		mg/L	1	3/15/2011 2:20:50 PM
Calcium	250	5.0		mg/L	5	3/15/2011 2:25:55 PM
Chromium	ND	0.0060		mg/L	1	3/15/2011 2:20:50 PM
Copper	0.13	0.0060		mg/L	1	3/17/2011 12:49:47 PM
Iron	0.73	0.020		mg/L	1	3/17/2011 12:49:47 PM
Lead	ND	0.0050		mg/L	1	3/15/2011 2:20:50 PM
Magnesium	52	1.0		mg/L	1	3/15/2011 2:20:50 PM
Manganese	0.063	0.0020		mg/L	1	3/17/2011 12:49:47 PM
Potassium	17	1.0		mg/L	1	3/15/2011 2:20:50 PM
Silver	ND	0.0050		mg/L	1	3/15/2011 2:20:50 PM
Sodium	220	5.0		mg/L	5	3/15/2011 2:25:55 PM
Zinc	0.21	0.010		mg/L	1	3/15/2011 2:20:50 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0020		mg/L	2	3/22/2011 5:27:15 PM
Selenium	ND	0.050		mg/L	2	3/22/2011 2:34:21 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1103400	**Collection Date:**	3/9/2011 8:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Uranium	ND	0.0050		mg/L	5	3/22/2011 4:44:02 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0036	0.0025		mg/L	2.5	3/21/2011 4:18:45 PM
Selenium	ND	0.050		mg/L	2.5	3/21/2011 4:18:45 PM
Uranium	ND	0.0025		mg/L	2.5	3/21/2011 4:18:45 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	3/15/2011 1:01:13 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Toluene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Ethylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Naphthalene	ND	10		µg/L	5	3/11/2011 8:48:06 PM
1-Methylnaphthalene	ND	20		µg/L	5	3/11/2011 8:48:06 PM
2-Methylnaphthalene	ND	20		µg/L	5	3/11/2011 8:48:06 PM
Acetone	ND	50		µg/L	5	3/11/2011 8:48:06 PM
Bromobenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Bromoform	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Bromomethane	ND	15		µg/L	5	3/11/2011 8:48:06 PM
2-Butanone	ND	50		µg/L	5	3/11/2011 8:48:06 PM
Carbon disulfide	ND	50		µg/L	5	3/11/2011 8:48:06 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Chlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Chloroethane	ND	10		µg/L	5	3/11/2011 8:48:06 PM
Chloroform	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Chloromethane	ND	15		µg/L	5	3/11/2011 8:48:06 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/11/2011 8:48:06 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Dibromomethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1103400	**Collection Date:**	3/9/2011 8:15:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/11/2011 8:48:06 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
2-Hexanone	ND	50		µg/L	5	3/11/2011 8:48:06 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/11/2011 8:48:06 PM
Methylene Chloride	ND	15		µg/L	5	3/11/2011 8:48:06 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Styrene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/11/2011 8:48:06 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/11/2011 8:48:06 PM
Vinyl chloride	ND	5.0		µg/L	5	3/11/2011 8:48:06 PM
Xylenes, Total	ND	7.5		µg/L	5	3/11/2011 8:48:06 PM
Surr: 1,2-Dichloroethane-d4	110	65.8-138		%REC	5	3/11/2011 8:48:06 PM
Surr: 4-Bromofluorobenzene	104	72.7-128		%REC	5	3/11/2011 8:48:06 PM
Surr: Dibromofluoromethane	104	69-135		%REC	5	3/11/2011 8:48:06 PM
Surr: Toluene-d8	103	86.1-134		%REC	5	3/11/2011 8:48:06 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:00:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Toluene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Ethylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Naphthalene	ND	2.0		µg/L	1	3/11/2011 9:15:36 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 9:15:36 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 9:15:36 PM
Acetone	ND	10		µg/L	1	3/11/2011 9:15:36 PM
Bromobenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Bromoform	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Bromomethane	ND	3.0		µg/L	1	3/11/2011 9:15:36 PM
2-Butanone	ND	10		µg/L	1	3/11/2011 9:15:36 PM
Carbon disulfide	ND	10		µg/L	1	3/11/2011 9:15:36 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Chlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Chloroethane	ND	2.0		µg/L	1	3/11/2011 9:15:36 PM
Chloroform	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Chloromethane	ND	3.0		µg/L	1	3/11/2011 9:15:36 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/11/2011 9:15:36 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Dibromomethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/11/2011 9:15:36 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:00:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/11/2011 9:15:36 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/11/2011 9:15:36 PM
Methylene Chloride	ND	3.0		µg/L	1	3/11/2011 9:15:36 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Styrene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/11/2011 9:15:36 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/11/2011 9:15:36 PM
Vinyl chloride	ND	1.0		µg/L	1	3/11/2011 9:15:36 PM
Xylenes, Total	ND	1.5		µg/L	1	3/11/2011 9:15:36 PM
Surr: 1,2-Dichloroethane-d4	119	65.8-138		%REC	1	3/11/2011 9:15:36 PM
Surr: 4-Bromofluorobenzene	102	72.7-128		%REC	1	3/11/2011 9:15:36 PM
Surr: Dibromofluoromethane	101	69-135		%REC	1	3/11/2011 9:15:36 PM
Surr: Toluene-d8	97.7	86.1-134		%REC	1	3/11/2011 9:15:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:00:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Toluene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Ethylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Naphthalene	ND	2.0		µg/L	1	3/11/2011 9:43:14 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 9:43:14 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 9:43:14 PM
Acetone	ND	10		µg/L	1	3/11/2011 9:43:14 PM
Bromobenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Bromoform	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Bromomethane	ND	3.0		µg/L	1	3/11/2011 9:43:14 PM
2-Butanone	21	10		µg/L	1	3/11/2011 9:43:14 PM
Carbon disulfide	ND	10		µg/L	1	3/11/2011 9:43:14 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Chlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Chloroethane	ND	2.0		µg/L	1	3/11/2011 9:43:14 PM
Chloroform	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Chloromethane	ND	3.0		µg/L	1	3/11/2011 9:43:14 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/11/2011 9:43:14 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Dibromomethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/11/2011 9:43:14 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/11/2011 9:43:14 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1103400	**Collection Date:**	3/9/2011 7:00:00 AM
Project:	1st QTR	**Date Received:**	3/9/2011
Lab ID:	1103400-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/11/2011 9:43:14 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/11/2011 9:43:14 PM
Methylene Chloride	ND	3.0		µg/L	1	3/11/2011 9:43:14 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Styrene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/11/2011 9:43:14 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/11/2011 9:43:14 PM
Vinyl chloride	ND	1.0		µg/L	1	3/11/2011 9:43:14 PM
Xylenes, Total	ND	1.5		µg/L	1	3/11/2011 9:43:14 PM
Surr: 1,2-Dichloroethane-d4	111	65.8-138		%REC	1	3/11/2011 9:43:14 PM
Surr: 4-Bromofluorobenzene	111	72.7-128		%REC	1	3/11/2011 9:43:14 PM
Surr: Dibromofluoromethane	101	69-135		%REC	1	3/11/2011 9:43:14 PM
Surr: Toluene-d8	98.9	86.1-134		%REC	1	3/11/2011 9:43:14 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

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **MC10012-001**

Description: **1103400-01F/Infl to EP-1** Matrix: **Aqueous**

Date Sampled: **03/09/2011 0715**

Date Received: **03/10/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	03/15/2011 1156	ARW	03/10/2011 1007	6237

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**1700**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **MC10012-002**

Description: **1103400-01G/Infl to EP-1** Matrix: **Aqueous**

Sampled: **03/09/2011 0715**

Received: **03/10/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	10	03/17/2011 1622	PMM	03/17/2011 0327	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**2400**		**100**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory**
Description: **1103400-02E/Infl to AL-1**
Date Sampled: **03/09/2011 0730**
Date Received: **03/10/2011**

Laboratory ID: **MC10012-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	03/15/2011 1156	ARW	03/10/2011 1007	6237

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**1600**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **MC10012-004**

Description: **1103400-02F/Infl to AL-1** Matrix: **Aqueous**

Sampled: **03/09/2011 0730**

Received: **03/10/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	10	03/17/2011 1622	PMM	03/17/2011 0327	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**2500**		**100**	**mg/L**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **MC10012-005**

Description: **1103400-03E/Infl to AL-2** Matrix: **Aqueous**

Date Sampled: **03/09/2011 0745**

Date Received: **03/10/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	03/15/2011 1156	ARW	03/10/2011 1007	6237

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**1800**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **MC10012-006**

Description: **1103400-03F/Infl to AL-2** Matrix: **Aqueous**

Date Sampled: **03/09/2011 0745**

Received: **03/10/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	10	03/17/2011 1622	PMM	03/17/2011 0327	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**2500**		**100**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **MC10012-007**

Description: **1103400-04E/Pilot Eff** Matrix: **Aqueous**

Date Sampled: **03/09/2011 0715**

Date Received: **03/10/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	03/15/2011 1156	ARW	03/10/2011 1007	6237

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**590**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

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Inorganic non-metals

Client: Hall Environmental Analysis Laboratory
Description: 1103400-04F/Pilot Eff
Sampled: 03/09/2011 0715
Received: 03/10/2011

Laboratory ID: MC10012-008
Matrix: Aqueous

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	10	03/17/2011 1622	PMM	03/17/2011 0327	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		SM 5220D	870		100	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-25944		*MBLK*				Batch ID: **25944**		Analysis Date:	3/15/2011 11:57:05 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-25944		*LCS*				Batch ID: **25944**		Analysis Date:	3/15/2011 12:01:32 PM		
Arsenic	0.5003	mg/L	0.020	0.5	0	100	85	115			
Barium	0.4618	mg/L	0.0020	0.5	0	92.4	85	115			
Cadmium	0.4752	mg/L	0.0020	0.5	0	95.0	85	115			
Calcium	51.69	mg/L	1.0	50.5	0	102	85	115			
Chromium	0.5020	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.5250	mg/L	0.0060	0.5	0.0017	105	85	115			
Iron	0.4824	mg/L	0.020	0.5	0	96.5	85	115			
Lead	0.4781	mg/L	0.0050	0.5	0	95.6	85	115			
Magnesium	52.75	mg/L	1.0	50.5	0	104	85	115			
Manganese	0.4816	mg/L	0.0020	0.5	0	96.3	85	115			
Potassium	54.82	mg/L	1.0	55	0.1307	99.4	85	115			
Selenium	0.4712	mg/L	0.050	0.5	0	94.2	85	115			
Silver	0.5057	mg/L	0.0050	0.5	0	101	85	115			
Sodium	51.70	mg/L	1.0	50.5	0.0878	102	85	115			
Zinc	0.4809	mg/L	0.010	0.5	0	96.2	85	115			

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

t: Western Refining Southwest, Gallup
ject: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R44187**		**Analysis Date: 3/18/2011 12:21:55 PM**			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				**Batch ID: R44208**		**Analysis Date: 3/18/2011 5:24:22 PM**			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
	ND	mg/L	0.020								
	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				**Batch ID: R44222**		**Analysis Date: 3/21/2011 4:03:18 PM**			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				**Batch ID: R44187**		**Analysis Date: 3/18/2011 12:26:55 PM**			
Barium	0.4898	mg/L	0.0020	0.5	0	98.0	85	115			
Cadmium	0.5294	mg/L	0.0020	0.5	0	106	85	115			
	52.32	mg/L	1.0	50.5	0	104	85	115			

...iers:

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: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R44187**	Analysis Date:	3/18/2011 12:26:55 PM		
Chromium	0.5315	mg/L	0.0060	0.5	0	106	85	115			
Copper	0.5199	mg/L	0.0060	0.5	0	104	85	115			
Iron	0.5155	mg/L	0.020	0.5	0	103	85	115			
Lead	0.5269	mg/L	0.0050	0.5	0	105	85	115			
Magnesium	53.53	mg/L	1.0	50.5	0	106	85	115			
Manganese	0.5111	mg/L	0.0020	0.5	0	102	85	115			
Potassium	55.22	mg/L	1.0	55	0	100	85	115			
Sodium	51.46	mg/L	1.0	50.5	0	102	85	115			
Zinc	0.5262	mg/L	0.010	0.5	0	105	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:28:29 PM		
Barium	0.4515	mg/L	0.0020	0.5	0	90.3	85	115			
Cadmium	0.4810	mg/L	0.0020	0.5	0	96.2	85	115			
Chromium	0.4844	mg/L	0.0060	0.5	0	96.9	85	115			
Copper	0.4840	mg/L	0.0060	0.5	0	96.8	85	115			
Iron	0.5538	mg/L	0.020	0.5	0.0103	109	85	115			
Lead	0.4750	mg/L	0.0050	0.5	0	95.0	85	115			
Manganese	0.4631	mg/L	0.0020	0.5	0	92.6	85	115			
Silver	0.4859	mg/L	0.0050	0.5	0	97.2	85	115			
Zinc	0.4760	mg/L	0.010	0.5	0	95.2	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44222**	Analysis Date:	3/21/2011 4:07:02 P.		
Barium	0.4563	mg/L	0.0020	0.5	0	91.3	85	115			
Cadmium	0.4898	mg/L	0.0020	0.5	0	98.0	85	115			
Calcium	43.53	mg/L	1.0	50.5	0.0088	86.2	85	115			
Chromium	0.4936	mg/L	0.0060	0.5	0	98.7	85	115			
Copper	0.5001	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4675	mg/L	0.020	0.5	0	93.5	85	115			
Lead	0.4873	mg/L	0.0050	0.5	0	97.5	85	115			
Magnesium	44.92	mg/L	1.0	50.5	0	88.9	85	115			
Manganese	0.4772	mg/L	0.0020	0.5	0	95.4	85	115			
Potassium	47.72	mg/L	1.0	55	0	86.8	85	115			
Silver	0.4839	mg/L	0.0050	0.5	0	96.8	85	115			
Sodium	44.18	mg/L	1.0	50.5	0	87.5	85	115			
Zinc	0.4911	mg/L	0.010	0.5	0	98.2	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R44262**	Analysis Date:	3/22/2011 12:28:18 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R44262**	Analysis Date:	3/22/2011 12:33:57 PM		
Arsenic	0.02344	mg/L	0.0010	0.025	0	93.8	85	115			
Selenium	0.02465	mg/L	0.0010	0.025	0	98.6	85	115			
Uranium	0.02335	mg/L	0.0010	0.025	0	93.4	85	115			

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

t: Western Refining Southwest, Gallup
ect: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-25944		*MBLK*				Batch ID:	**25944**	Analysis Date:	3/21/2011 2:54:24 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R44262**	Analysis Date:	3/22/2011 12:28:18 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R44262**	Analysis Date:	3/22/2011 12:33:57 PM		
Arsenic	0.02344	mg/L	0.0010	0.025	0	93.8	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-25965		*MBLK*				Batch ID:	**25965**	Analysis Date:	3/15/2011 12:23:38 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-25965		*LCS*				Batch ID:	**25965**	Analysis Date:	3/15/2011 12:25:23 PM		
Mercury	0.005117	mg/L	0.00020	0.005	0	102	80	120			

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: 1st QTR **Work Order:** 110340

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:	3/10/2011 1:15:48 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:	3/11/2011 3:36:53 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44143**	Analysis Date:	3/14/2011 2:01:12 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44194**	Analysis Date:	3/17/2011 1:36:46 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44194**	Analysis Date:	3/18/2011 12:31:19 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:	3/10/2011 1:27:03 PM		
Fluoride	0.4980	mg/L	0.10	0.5	0	99.6	90	110			
Chloride	5.030	mg/L	0.50	5	0	101	90	110			
Nitrogen, Nitrite (As N)	0.9681	mg/L	0.10	1	0	96.8	90	110			
Bromide	2.566	mg/L	0.10	2.5	0	103	90	110			
Nitrogen, Nitrate (As N)	2.544	mg/L	0.10	2.5	0	102	90	110			

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

t: Western Refining Southwest, Gallup
...ject: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				**Batch ID:**	**R44072**	**Analysis Date:**		**3/10/2011 1:27:03 PM**	
Phosphorus, Orthophosphate (As P)	4.964	mg/L	0.50	5	0	99.3	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				**Batch ID:**	**R44072**	**Analysis Date:**		**3/11/2011 3:48:07 AM**	
Fluoride	0.5081	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.953	mg/L	0.50	5	0	99.1	90	110			
Nitrogen, Nitrate (As N)	2.481	mg/L	0.10	2.5	0	99.2	90	110			
Phosphorus, Orthophosphate (As P)	5.004	mg/L	0.50	5	0	100	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				**Batch ID:**	**R44143**	**Analysis Date:**		**3/14/2011 2:18:38 PM**	
Fluoride	0.1331	mg/L	0.10	0.5	0	26.6	90	110			S
Chloride	0.7645	mg/L	0.50	5	0	15.3	90	110			S
Nitrogen, Nitrite (As N)	0.3187	mg/L	0.10	1	0	31.9	90	110			S
Bromide	0.7138	mg/L	0.10	2.5	0	28.6	90	110			S
Nitrogen, Nitrate (As N)	0.4376	mg/L	0.10	2.5	0	17.5	90	110			S
Phosphorus, Orthophosphate (As P)	0.8005	mg/L	0.50	5	0	16.0	90	110			S
Sulfate	1.826	mg/L	0.50	10	0	18.3	90	110			S
Sample ID: LCS-b		*LCS*				**Batch ID:**	**R44143**	**Analysis Date:**		**3/14/2011 2:36:03 PM**	
F[illegible]e	0.5035	mg/L	0.10	0.5	0	101	90	110			
[illegible]e	4.820	mg/L	0.50	5	0	96.4	90	110			
Nitrogen, Nitrite (As N)	0.9528	mg/L	0.10	1	0	95.3	90	110			
Bromide	2.409	mg/L	0.10	2.5	0	96.4	90	110			
Nitrogen, Nitrate (As N)	2.450	mg/L	0.10	2.5	0	98.0	90	110			
Phosphorus, Orthophosphate (As P)	5.106	mg/L	0.50	5	0	102	90	110			
Sulfate	9.875	mg/L	0.50	10	0	98.7	90	110			
Sample ID: LCS		*LCS*				**Batch ID:**	**R44194**	**Analysis Date:**		**3/17/2011 1:48:00 PM**	
Fluoride	0.4709	mg/L	0.10	0.5	0	94.2	90	110			
Chloride	4.624	mg/L	0.50	5	0	92.5	90	110			
Nitrogen, Nitrite (As N)	0.9167	mg/L	0.10	1	0	91.7	90	110			
Bromide	2.259	mg/L	0.10	2.5	0	90.4	90	110			
Nitrogen, Nitrate (As N)	2.301	mg/L	0.10	2.5	0	92.0	90	110			
Phosphorus, Orthophosphate (As P)	4.630	mg/L	0.50	5	0	92.6	90	110			
Sulfate	9.463	mg/L	0.50	10	0	94.6	90	110			
Sample ID: LCS		*LCS*				**Batch ID:**	**R44194**	**Analysis Date:**		**3/18/2011 12:42:33 AM**	
Fluoride	0.4850	mg/L	0.10	0.5	0	97.0	90	110			
Chloride	4.718	mg/L	0.50	5	0	94.4	90	110			
Nitrogen, Nitrite (As N)	0.9533	mg/L	0.10	1	0	95.3	90	110			
Bromide	2.434	mg/L	0.10	2.5	0	97.3	90	110			
Nitrogen, Nitrate (As N)	2.378	mg/L	0.10	2.5	0	95.1	90	110			
Phosphorus, Orthophosphate (As P)	4.770	mg/L	0.50	5	0	95.4	90	110			
Sulfate	9.627	mg/L	0.50	10	0	96.3	90	110			

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: 1st QTR **Work Order:** 110340L

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25920		*MBLK*				Batch ID:	**25920**	Analysis Date:		3/10/2011 3:48:17 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25920		*LCS*				Batch ID:	**25920**	Analysis Date:		3/10/2011 4:22:09 PM	
Diesel Range Organics (DRO)	6.012	mg/L	1.0	5	0	120	74	157			
Sample ID: LCSD-25920		*LCSD*				Batch ID:	**25920**	Analysis Date:		3/10/2011 4:56:03 PM	
Diesel Range Organics (DRO)	5.785	mg/L	1.0	5	0	116	74	157	3.85	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44104**	Analysis Date:		3/14/2011 8:27:19 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44126**	Analysis Date:		3/15/2011 8:25:17 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 2:59:18 AM	
Gasoline Range Organics (GRO)	0.4698	mg/L	0.050	0.5	0	93.9	81.8	120			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 3:29:13 AM	
Gasoline Range Organics (GRO)	0.4652	mg/L	0.050	0.5	0	93.0	81.8	120	0.941	17.1	

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

t: Western Refining Southwest, Gallup
Project: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R44107**		Analysis Date:		**3/14/2011 9:45:56 AM**	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Tetrachloride	ND	µg/L	1.0								
benzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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: 1st QTR **Work Order:** 110340

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b3		*MBLK*									
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Sample ID: 5ml-rb Batch ID: **R44107** Analysis Date: **3/14/2011 9:45:56 AM**

Sample ID: b3 Batch ID: **R44137** Analysis Date: **3/11/2011 11:25:39 AM**

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: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*					**Batch ID: R44137**		**Analysis Date: 3/11/2011 11:25:39 AM**		
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*					**Batch ID: R44107**		**Analysis Date: 3/14/2011 10:38:30 AM**		

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: 1st QTR **Work Order:** 110340

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R44107**	Analysis Date:	3/14/2011 10:38:30 AM		
Benzene	21.03	µg/L	1.0	20	0	105	85.2	121			
Toluene	22.08	µg/L	1.0	20	0	110	88.3	121			
Chlorobenzene	22.62	µg/L	1.0	20	0	113	91.9	110			S
1,1-Dichloroethene	23.38	µg/L	1.0	20	0	117	91.5	134			
Trichloroethene (TCE)	21.30	µg/L	1.0	20	0	106	78.3	102			S
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R44137**	Analysis Date:	3/11/2011 12:31:01 PM		
Benzene	18.85	µg/L	1.0	20	0	94.3	85.2	121			
Toluene	20.21	µg/L	1.0	20	0	101	88.3	121			
Chlorobenzene	19.62	µg/L	1.0	20	0	98.1	91.9	110			
1,1-Dichloroethene	21.10	µg/L	1.0	20	0	105	91.5	134			
Trichloroethene (TCE)	16.55	µg/L	1.0	20	0	82.7	78.3	102			

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

: Western Refining Southwest, Gallup
Project: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*					**Batch ID: 25940**		**Analysis Date: 3/21/2011 12:35:06 PM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
C ›le	ND	µg/L	10								
4 ›-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*				Batch ID: **25940**		Analysis Date:	3/21/2011 12:35:06 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: mb-25940		*MBLK*				Batch ID: **25940**		Analysis Date:	3/24/2011 11:03:08 AM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								

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: 1st QTR **Work Order:** 1103400

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*					**Batch ID: 25940**		**Analysis Date: 3/24/2011 11:03:08 AM**		
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,6-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								

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: 1st QTR **Work Order:** 110340c

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*				**Batch ID: 25940**		**Analysis Date:**	3/24/2011 11:03:08 AM		
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-25940		*LCS*				**Batch ID: 25940**		**Analysis Date:**	3/21/2011 1:04:36 PM		
Acenaphthene	89.96	µg/L	10	100	0	90.0	31	99.4			
4-Chloro-3-methylphenol	87.64	µg/L	10	100	0	87.6	34.3	111			
2-Chlorophenol	79.64	µg/L	10	100	0	79.6	24.1	98.7			
1,4-Dichlorobenzene	63.38	µg/L	10	100	0	63.4	20.6	85.6			
2,4-Dinitrotoluene	78.72	µg/L	10	100	0	78.7	26.6	126			
N-Nitrosodi-n-propylamine	77.80	µg/L	10	100	0	77.8	29.2	94.4			
4-Nitrophenol	65.54	µg/L	10	100	0	65.5	9.87	86			
Pentachlorophenol	81.68	µg/L	20	100	0	81.7	20	97.8			
Phenol	55.14	µg/L	10	100	0	55.1	17.5	60.5			
Pyrene	79.62	µg/L	10	100	0	79.6	46.8	92.2			
1,2,4-Trichlorobenzene	71.44	µg/L	10	100	0	71.4	25.2	92.3			
Sample ID: lcs-25940		*LCS*				**Batch ID: 25940**		**Analysis Date:**	3/24/2011 11:32:18 AM		
Acenaphthene	84.64	µg/L	10	100	0	84.6	31	99.4			
4-Chloro-3-methylphenol	94.82	µg/L	10	100	0	94.8	34.3	111			
2-Chlorophenol	83.96	µg/L	10	100	0	84.0	24.1	98.7			
1,4-Dichlorobenzene	67.06	µg/L	10	100	0	67.1	20.6	85.6			
2,4-Dinitrotoluene	91.10	µg/L	10	100	0	91.1	26.6	126			
N-Nitrosodi-n-propylamine	91.36	µg/L	10	100	0	91.4	29.2	94.4			
4-Nitrophenol	54.52	µg/L	10	100	0	54.5	9.87	86			
Pentachlorophenol	75.28	µg/L	20	100	0	75.3	20	97.8			
Phenol	56.54	µg/L	10	100	0	56.5	17.5	60.5			
Pyrene	72.26	µg/L	10	100	0	72.3	46.8	92.2			
1,2,4-Trichlorobenzene	74.68	µg/L	10	100	0	74.7	25.2	92.3			

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: 3/9/2011

Work Order Number 1103400 | Received by: MMG

Checklist completed by: Signature 3/9/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
r - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
er - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	1.0°	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 16

<2 >12 unless noted below.

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 4 Gallup NM
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: 1ST QTR
Project #: Influents
Project Manager: C Johnson
Sampler: C Johnson
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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1103100
3/9/11	715	H2O	Infl to EP-1			-1
	730		Infl to AL-1			-2
	745		Infl to AL-2			-3
	815		Plot Eff. *			-4
	700		TRIP Blank			-5
	700		Field Blank			-6

Analysis Request

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,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Cations / Anions mg/L	pH / Cl mg/L	WQCC Metals Total + Diss	BOD / COD	Air Bubbles (Y or N)
		X							X	X	X	X	X	X	
		X							X	X		X		X	
		X							X	X		X		X	
		X							X				X	X	
									X						
									X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/9/11	1800			03-9-11	0900
Date:	Time:	Relinquished by:	Received by:	Date	Time
3-9-11	1245		Michael Qai	3/9/11	12:44

Remarks: *Cautions: May Contain biohazards

If nece samples submitted to Hall Environmental may be subcontracted to other accredited laboratorie serves as notice of this possibility. Any sub-contracted data will be clearly notated on the anal port.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, April 04, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 1st QTR 2011

Order No.: 1103404

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 3/9/2011 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

Hall Environmental Analysis Laboratory, Inc. Date: *04-Apr-11*

CLIENT: Western Refining Southwest, Gallup
Project: 1st QTR 2011
Lab Order: 1103404

CASE NARRATIVE

Analytical notes for method 200.7 dissolved and 200.8 dissolved.

Both the total metals bottles and the dissolved metals bottles had a significant amount of very fine suspended solids. These solids may account for some of the dissolved metals being higher than the totals.

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1103404	**Collection Date:**	3/8/2011 10:21:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	23	3.0		mg/L	1	3/10/2011 11:42:15 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	3/10/2011 11:42:15 PM
Surr: DNOP	106	86.9-151		%REC	1	3/10/2011 11:42:15 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	71	2.5		mg/L	50	3/14/2011 9:29:40 PM
Surr: BFB	95.1	79.4-132		%REC	50	3/14/2011 9:29:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	160	10		mg/L	100	3/23/2011 3:44:10 PM
Chloride	360	10		mg/L	20	3/11/2011 2:29:29 AM
Bromide	2.6	0.50		mg/L	5	3/22/2011 10:03:36 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	3/15/2011 12:39:19 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/11/2011 2:18:15 AM
Sulfate	920	25		mg/L	50	3/15/2011 1:14:09 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.062	0.0020		mg/L	1	3/18/2011 1:32:47 PM
Cadmium	ND	0.0020		mg/L	1	3/18/2011 1:32:47 PM
Calcium	44	1.0		mg/L	1	3/18/2011 1:32:47 PM
Chromium	0.024	0.0060		mg/L	1	3/18/2011 1:32:47 PM
Copper	ND	0.0060		mg/L	1	3/18/2011 1:32:47 PM
Iron	5.9	0.40		mg/L	20	3/18/2011 1:37:53 PM
Lead	ND	0.0050		mg/L	1	3/18/2011 1:32:47 PM
Magnesium	12	1.0		mg/L	1	3/18/2011 1:32:47 PM
Manganese	0.21	0.0020		mg/L	1	3/18/2011 1:32:47 PM
Potassium	35	1.0		mg/L	1	3/18/2011 1:32:47 PM
Silver	ND	0.0050		mg/L	1	3/22/2011 10:05:44 AM
Sodium	660	20		mg/L	20	3/18/2011 1:37:53 PM
Zinc	0.20	0.010		mg/L	1	3/18/2011 1:32:47 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.12	0.0020		mg/L	1	3/16/2011 7:30:09 PM
Cadmium	ND	0.0020		mg/L	1	3/16/2011 7:30:09 PM
Calcium	48	1.0		mg/L	1	3/16/2011 7:30:09 PM
Chromium	0.026	0.0060		mg/L	1	3/16/2011 7:30:09 PM
Copper	ND	0.0060		mg/L	1	3/16/2011 7:30:09 PM
Iron	8.9	0.40		mg/L	20	3/17/2011 2:51:47 PM
Lead	ND	0.0050		mg/L	1	3/16/2011 7:30:09 PM
Magnesium	13	1.0		mg/L	1	3/16/2011 7:30:09 PM
Manganese	0.21	0.0020		mg/L	1	3/16/2011 7:30:09 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1103404	**Collection Date:**	3/8/2011 10:21:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	37	1.0		mg/L	1	3/16/2011 7:30:09 PM
Silver	ND	0.0050		mg/L	1	3/16/2011 7:30:09 PM
Sodium	620	20		mg/L	20	3/17/2011 2:51:47 PM
Zinc	0.40	0.010		mg/L	1	3/16/2011 7:30:09 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0020		mg/L	2	3/22/2011 5:05:38 PM
Selenium	0.082	0.050		mg/L	2	3/22/2011 2:19:56 PM
Uranium	ND	0.0050		mg/L	5	3/22/2011 4:29:37 PM
EPA 200.8: METALS						Analyst: **TES**
Arsenic	0.012	0.0025		mg/L	2.5	3/23/2011 2:07:11 PM
Selenium	ND	0.050		mg/L	2.5	3/23/2011 2:07:11 PM
Uranium	ND	0.0025		mg/L	2.5	3/23/2011 2:07:11 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	0.00054	0.00020		mg/L	1	3/15/2011 1:06:41 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Acenaphthylene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Aniline	1100	50		µg/L	1	3/24/2011 1:29:38 PM
Anthracene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Azobenzene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Benz(a)anthracene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Benzoic acid	ND	100		µg/L	1	3/24/2011 1:29:38 PM
Benzyl alcohol	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Bis(2-ethylhexyl)phthalate	54	50		µg/L	1	3/24/2011 1:29:38 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Butyl benzyl phthalate	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Carbazole	ND	50		µg/L	1	3/24/2011 1:29:38 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/24/2011 1:29:38 PM
4-Chloroaniline	ND	50		µg/L	1	3/24/2011 1:29:38 PM
2-Chloronaphthalene	ND	50		µg/L	1	3/24/2011 1:29:38 PM

Qualifiers:

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- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1103404	**Collection Date:**	3/8/2011 10:21:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Chlorophenol	ND	50		µg/L	1	3/24/2011 1:29:38 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Chrysene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Dibenzofuran	ND	50		µg/L	1	3/24/2011 1:29:38 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Diethyl phthalate	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Dimethyl phthalate	ND	50		µg/L	1	3/24/2011 1:29:38 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/24/2011 1:29:38 PM
2,4-Dimethylphenol	470	50		µg/L	1	3/24/2011 1:29:38 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/24/2011 1:29:38 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/24/2011 1:29:38 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Fluoranthene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Fluorene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Hexachlorobenzene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Hexachloroethane	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Isophorone	ND	50		µg/L	1	3/24/2011 1:29:38 PM
2-Methylnaphthalene	240	50		µg/L	1	3/24/2011 1:29:38 PM
2-Methylphenol	2400	500		µg/L	10	3/24/2011 4:03:16 PM
3+4-Methylphenol	5700	500		µg/L	10	3/24/2011 4:03:16 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/24/2011 1:29:38 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/24/2011 1:29:38 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Naphthalene	290	50		µg/L	1	3/24/2011 1:29:38 PM
2-Nitroaniline	ND	50		µg/L	1	3/24/2011 1:29:38 PM
3-Nitroaniline	ND	50		µg/L	1	3/24/2011 1:29:38 PM
4-Nitroaniline	ND	100		µg/L	1	3/24/2011 1:29:38 PM
Nitrobenzene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
2-Nitrophenol	ND	50		µg/L	1	3/24/2011 1:29:38 PM
4-Nitrophenol	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Pentachlorophenol	ND	100		µg/L	1	3/24/2011 1:29:38 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1103404	**Collection Date:**	3/8/2011 10:21:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Phenol	12000	1000		µg/L	20	3/24/2011 5:02:16 PM
Pyrene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Pyridine	51	50		µg/L	1	3/24/2011 1:29:38 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/24/2011 1:29:38 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/24/2011 1:29:38 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/24/2011 1:29:38 PM
Surr: 2,4,6-Tribromophenol	102	17.5-104		%REC	1	3/24/2011 1:29:38 PM
Surr: 2-Fluorobiphenyl	112	30.9-98.9	S	%REC	1	3/24/2011 1:29:38 PM
Surr: 2-Fluorophenol	83.6	12.4-90.1		%REC	1	3/24/2011 1:29:38 PM
Surr: 4-Terphenyl-d14	102	43.5-91.9	S	%REC	1	3/24/2011 1:29:38 PM
Surr: Nitrobenzene-d5	114	26.2-108	S	%REC	1	3/24/2011 1:29:38 PM
Surr: Phenol-d5	64.9	11.8-73.1		%REC	1	3/24/2011 1:29:38 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	8100	100		µg/L	100	3/11/2011 10:10:51 PM
Toluene	13000	200		µg/L	200	3/14/2011 6:20:26 PM
Ethylbenzene	890	100		µg/L	100	3/11/2011 10:10:51 PM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2,4-Trimethylbenzene	670	100		µg/L	100	3/11/2011 10:10:51 PM
1,3,5-Trimethylbenzene	200	100		µg/L	100	3/11/2011 10:10:51 PM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Naphthalene	390	200		µg/L	100	3/11/2011 10:10:51 PM
1-Methylnaphthalene	ND	400		µg/L	100	3/11/2011 10:10:51 PM
2-Methylnaphthalene	ND	400		µg/L	100	3/11/2011 10:10:51 PM
Acetone	ND	1000		µg/L	100	3/11/2011 10:10:51 PM
Bromobenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Bromodichloromethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Bromoform	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Bromomethane	ND	300		µg/L	100	3/11/2011 10:10:51 PM
2-Butanone	ND	1000		µg/L	100	3/11/2011 10:10:51 PM
Carbon disulfide	ND	1000		µg/L	100	3/11/2011 10:10:51 PM
Carbon Tetrachloride	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Chlorobenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Chloroethane	ND	200		µg/L	100	3/11/2011 10:10:51 PM
Chloroform	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Chloromethane	ND	300		µg/L	100	3/11/2011 10:10:51 PM
2-Chlorotoluene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
4-Chlorotoluene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
cis-1,2-DCE	ND	100		µg/L	100	3/11/2011 10:10:51 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1103404	**Collection Date:**	3/8/2011 10:21:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
cis-1,3-Dichloropropene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	3/11/2011 10:10:51 PM
Dibromochloromethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Dibromomethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Dichlorodifluoromethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,1-Dichloroethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,1-Dichloroethene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2-Dichloropropane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,3-Dichloropropane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
2,2-Dichloropropane	ND	200		µg/L	100	3/11/2011 10:10:51 PM
1,1-Dichloropropene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Hexachlorobutadiene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
2-Hexanone	ND	1000		µg/L	100	3/11/2011 10:10:51 PM
Isopropylbenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
4-Isopropyltoluene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	3/11/2011 10:10:51 PM
Methylene Chloride	ND	300		µg/L	100	3/11/2011 10:10:51 PM
n-Butylbenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
n-Propylbenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
sec-Butylbenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Styrene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
tert-Butylbenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	3/11/2011 10:10:51 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	3/11/2011 10:10:51 PM
trans-1,2-DCE	ND	100		µg/L	100	3/11/2011 10:10:51 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Trichloroethene (TCE)	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Trichlorofluoromethane	ND	100		µg/L	100	3/11/2011 10:10:51 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	3/11/2011 10:10:51 PM
Vinyl chloride	ND	100		µg/L	100	3/11/2011 10:10:51 PM
Xylenes, Total	5200	150		µg/L	100	3/11/2011 10:10:51 PM
Surr: 1,2-Dichloroethane-d4	116	65.8-138		%REC	100	3/11/2011 10:10:51 PM
Surr: 4-Bromofluorobenzene	104	72.7-128		%REC	100	3/11/2011 10:10:51 PM

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- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1103404	**Collection Date:**	3/8/2011 10:21:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Surr: Dibromofluoromethane	103	69-135		%REC	100	3/11/2011 10:10:51 PM
Surr: Toluene-d8	105	86.1-134		%REC	100	3/11/2011 10:10:51 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	5800	0.010		µmhos/cm	1	3/10/2011 4:31:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	6.95	0.100		pH units	1	3/10/2011 4:31:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EP1
Lab Order:	1103404	**Collection Date:**	3/8/2011 9:58:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.9	3.0		mg/L	1	3/11/2011 12:15:52 AM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	3/11/2011 12:15:52 AM
Surr: DNOP	111	86.9-151		%REC	1	3/11/2011 12:15:52 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.30	0.25		mg/L	5	3/15/2011 1:56:05 PM
Surr: BFB	99.5	79.4-132		%REC	5	3/15/2011 1:56:05 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	280	10		mg/L	100	3/17/2011 11:12:43 PM
Chloride	320	25		mg/L	50	3/15/2011 2:58:36 PM
Bromide	1.4	0.50		mg/L	5	3/15/2011 2:23:47 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	3/15/2011 12:04:30 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/11/2011 3:03:10 AM
Sulfate	920	10		mg/L	20	3/11/2011 3:14:25 AM
A METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.027	0.0020		mg/L	1	3/18/2011 1:41:57 PM
Cadmium	ND	0.0020		mg/L	1	3/18/2011 1:41:57 PM
Calcium	25	1.0		mg/L	1	3/18/2011 1:41:57 PM
Chromium	0.021	0.0060		mg/L	1	3/18/2011 1:41:57 PM
Copper	0.010	0.0060		mg/L	1	3/18/2011 1:41:57 PM
Iron	5.4	0.20		mg/L	10	3/18/2011 1:48:57 PM
Lead	ND	0.0050		mg/L	1	3/18/2011 1:41:57 PM
Magnesium	12	1.0		mg/L	1	3/18/2011 1:41:57 PM
Manganese	0.20	0.0020		mg/L	1	3/18/2011 1:41:57 PM
Potassium	50	1.0		mg/L	1	3/18/2011 1:41:57 PM
Silver	ND	0.0050		mg/L	1	3/22/2011 10:08:04 AM
Sodium	740	10		mg/L	10	3/18/2011 1:48:57 PM
Zinc	0.10	0.010		mg/L	1	3/18/2011 1:41:57 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.055	0.0020		mg/L	1	3/16/2011 8:16:15 PM
Cadmium	ND	0.0020		mg/L	1	3/16/2011 8:16:15 PM
Calcium	35	1.0		mg/L	1	3/16/2011 8:16:15 PM
Chromium	0.025	0.0060		mg/L	1	3/16/2011 8:16:15 PM
Copper	0.0077	0.0060		mg/L	1	3/16/2011 8:16:15 PM
Iron	5.7	0.20		mg/L	10	3/17/2011 2:55:31 PM
Lead	ND	0.0050		mg/L	1	3/16/2011 8:16:15 PM
Magnesium	13	1.0		mg/L	1	3/16/2011 8:16:15 PM
Manganese	0.20	0.0020		mg/L	1	3/16/2011 8:16:15 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EP1
Lab Order:	1103404	**Collection Date:**	3/8/2011 9:58:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Potassium	52	1.0		mg/L	1	3/16/2011 8:16:15 PM
Silver	ND	0.0050		mg/L	1	3/16/2011 8:16:15 PM
Sodium	630	10		mg/L	10	3/17/2011 2:55:31 PM
Zinc	0.18	0.010		mg/L	1	3/16/2011 8:16:15 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0080	0.0020		mg/L	2	3/22/2011 5:12:50 PM
Selenium	ND	0.050		mg/L	2	3/22/2011 2:23:33 PM
Uranium	ND	0.0050		mg/L	5	3/22/2011 4:33:13 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.013	0.0025		mg/L	2.5	3/15/2011 5:28:21 PM
Selenium	ND	0.050		mg/L	2.5	3/15/2011 5:28:21 PM
Uranium	ND	0.0025		mg/L	2.5	3/15/2011 5:28:21 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	0.00029	0.00020		mg/L	1	3/15/2011 1:08:27 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Acenaphthylene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Aniline	340	200		µg/L	20	3/24/2011 4:32:47 PM
Anthracene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Azobenzene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Benz(a)anthracene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Benzoic acid	ND	20		µg/L	1	3/24/2011 1:59:07 PM
Benzyl alcohol	25	10		µg/L	1	3/24/2011 1:59:07 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Bis(2-ethylhexyl)phthalate	15	10		µg/L	1	3/24/2011 1:59:07 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Butyl benzyl phthalate	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Carbazole	23	10		µg/L	1	3/24/2011 1:59:07 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/24/2011 1:59:07 PM
4-Chloroaniline	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/24/2011 1:59:07 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1103404
Project: 1st QTR 2011
Lab ID: 1103404-02

Client Sample ID: AL2-EP1
Collection Date: 3/8/2011 9:58:00 AM
Date Received: 3/9/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Chlorophenol	ND	10		µg/L	1	3/24/2011 1:59:07 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Chrysene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Dibenzofuran	ND	10		µg/L	1	3/24/2011 1:59:07 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Diethyl phthalate	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Dimethyl phthalate	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/24/2011 1:59:07 PM
2,4-Dimethylphenol	370	200		µg/L	20	3/24/2011 4:32:47 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/24/2011 1:59:07 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/24/2011 1:59:07 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Fluoranthene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Fluorene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Hexachlorobenzene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Hexachloroethane	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Isophorone	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2-Methylphenol	2300	200		µg/L	20	3/24/2011 4:32:47 PM
3+4-Methylphenol	5300	400		µg/L	40	3/24/2011 5:31:43 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/24/2011 1:59:07 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/24/2011 1:59:07 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Naphthalene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2-Nitroaniline	ND	10		µg/L	1	3/24/2011 1:59:07 PM
3-Nitroaniline	ND	10		µg/L	1	3/24/2011 1:59:07 PM
4-Nitroaniline	ND	20		µg/L	1	3/24/2011 1:59:07 PM
Nitrobenzene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2-Nitrophenol	ND	10		µg/L	1	3/24/2011 1:59:07 PM
4-Nitrophenol	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Pentachlorophenol	ND	20		µg/L	1	3/24/2011 1:59:07 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
- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EP1
Lab Order:	1103404	**Collection Date:**	3/8/2011 9:58:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Phenanthrene	17	10		µg/L	1	3/24/2011 1:59:07 PM
Phenol	6500	400		µg/L	40	3/24/2011 5:31:43 PM
Pyrene	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Pyridine	ND	10		µg/L	1	3/24/2011 1:59:07 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/24/2011 1:59:07 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/24/2011 1:59:07 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/24/2011 1:59:07 PM
Surr: 2,4,6-Tribromophenol	110	17.5-104	S	%REC	1	3/24/2011 1:59:07 PM
Surr: 2-Fluorobiphenyl	87.8	30.9-98.9		%REC	1	3/24/2011 1:59:07 PM
Surr: 2-Fluorophenol	66.7	12.4-90.1		%REC	1	3/24/2011 1:59:07 PM
Surr: 4-Terphenyl-d14	49.0	43.5-91.9		%REC	1	3/24/2011 1:59:07 PM
Surr: Nitrobenzene-d5	83.9	26.2-108		%REC	1	3/24/2011 1:59:07 PM
Surr: Phenol-d5	61.0	11.8-73.1		%REC	1	3/24/2011 1:59:07 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Toluene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Ethylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Naphthalene	ND	10		µg/L	5	3/11/2011 11:06:00 PM
1-Methylnaphthalene	ND	20		µg/L	5	3/11/2011 11:06:00 PM
2-Methylnaphthalene	ND	20		µg/L	5	3/11/2011 11:06:00 PM
Acetone	ND	50		µg/L	5	3/11/2011 11:06:00 PM
Bromobenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Bromoform	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Bromomethane	ND	15		µg/L	5	3/11/2011 11:06:00 PM
2-Butanone	ND	50		µg/L	5	3/11/2011 11:06:00 PM
Carbon disulfide	ND	50		µg/L	5	3/11/2011 11:06:00 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Chlorobenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Chloroethane	ND	10		µg/L	5	3/11/2011 11:06:00 PM
Chloroform	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Chloromethane	ND	15		µg/L	5	3/11/2011 11:06:00 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 11:06:00 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
- 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EP1
Lab Order:	1103404	**Collection Date:**	3/8/2011 9:58:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/11/2011 11:06:00 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Dibromomethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/11/2011 11:06:00 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
2-Hexanone	ND	50		µg/L	5	3/11/2011 11:06:00 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/11/2011 11:06:00 PM
Methylene Chloride	ND	15		µg/L	5	3/11/2011 11:06:00 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Styrene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/11/2011 11:06:00 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/11/2011 11:06:00 PM
Vinyl chloride	ND	5.0		µg/L	5	3/11/2011 11:06:00 PM
Xylenes, Total	ND	7.5		µg/L	5	3/11/2011 11:06:00 PM
Surr: 1,2-Dichloroethane-d4	122	65.8-138		%REC	5	3/11/2011 11:06:00 PM
Surr: 4-Bromofluorobenzene	105	72.7-128		%REC	5	3/11/2011 11:06:00 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
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EP1
Lab Order:	1103404	**Collection Date:**	3/8/2011 9:58:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Surr: Dibromofluoromethane	105	69-135		%REC	5	3/11/2011 11:06:00 PM
Surr: Toluene-d8	103	86.1-134		%REC	5	3/11/2011 11:06:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1103404
Project: 1st QTR 2011
Lab ID: 1103404-03

Client Sample ID: Field Blank
Collection Date: 3/8/2011 9:30:00 AM
Date Received: 3/9/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Toluene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Ethylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Naphthalene	ND	2.0		µg/L	1	3/11/2011 11:33:33 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 11:33:33 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 11:33:33 PM
Acetone	ND	10		µg/L	1	3/11/2011 11:33:33 PM
Bromobenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Bromoform	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Bromomethane	ND	3.0		µg/L	1	3/11/2011 11:33:33 PM
2-Butanone	20	10		µg/L	1	3/11/2011 11:33:33 PM
Carbon disulfide	ND	10		µg/L	1	3/11/2011 11:33:33 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Chlorobenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Chloroethane	ND	2.0		µg/L	1	3/11/2011 11:33:33 PM
Chloroform	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Chloromethane	ND	3.0		µg/L	1	3/11/2011 11:33:33 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/11/2011 11:33:33 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Dibromomethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/11/2011 11:33:33 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/11/2011 11:33:33 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1103404	**Collection Date:**	3/8/2011 9:30:00 AM
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	3/11/2011 11:33:33 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/11/2011 11:33:33 PM
Methylene Chloride	ND	3.0		µg/L	1	3/11/2011 11:33:33 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Styrene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/11/2011 11:33:33 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/11/2011 11:33:33 PM
Vinyl chloride	ND	1.0		µg/L	1	3/11/2011 11:33:33 PM
Xylenes, Total	ND	1.5		µg/L	1	3/11/2011 11:33:33 PM
Surr: 1,2-Dichloroethane-d4	112	65.8-138		%REC	1	3/11/2011 11:33:33 PM
Surr: 4-Bromofluorobenzene	103	72.7-128		%REC	1	3/11/2011 11:33:33 PM
Surr: Dibromofluoromethane	102	69-135		%REC	1	3/11/2011 11:33:33 PM
Surr: Toluene-d8	100	86.1-134		%REC	1	3/11/2011 11:33:33 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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1103404	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Toluene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Ethylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Naphthalene	ND	2.0		µg/L	1	3/12/2011 12:01:08 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/12/2011 12:01:08 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/12/2011 12:01:08 AM
Acetone	ND	10		µg/L	1	3/12/2011 12:01:08 AM
Bromobenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Bromodichloromethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Bromoform	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Bromomethane	ND	3.0		µg/L	1	3/12/2011 12:01:08 AM
2-Butanone	ND	10		µg/L	1	3/12/2011 12:01:08 AM
Carbon disulfide	ND	10		µg/L	1	3/12/2011 12:01:08 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Chlorobenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Chloroethane	ND	2.0		µg/L	1	3/12/2011 12:01:08 AM
Chloroform	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Chloromethane	ND	3.0		µg/L	1	3/12/2011 12:01:08 AM
2-Chlorotoluene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
4-Chlorotoluene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
cis-1,2-DCE	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/12/2011 12:01:08 AM
Dibromochloromethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Dibromomethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/12/2011 12:01:08 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *04-Apr-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1103404	**Collection Date:**	
Project:	1st QTR 2011	**Date Received:**	3/9/2011
Lab ID:	1103404-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	3/12/2011 12:01:08 AM
Isopropylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/12/2011 12:01:08 AM
Methylene Chloride	ND	3.0		µg/L	1	3/12/2011 12:01:08 AM
n-Butylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
n-Propylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
sec-Butylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Styrene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
tert-Butylbenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/12/2011 12:01:08 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
trans-1,2-DCE	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/12/2011 12:01:08 AM
Vinyl chloride	ND	1.0		µg/L	1	3/12/2011 12:01:08 AM
Xylenes, Total	ND	1.5		µg/L	1	3/12/2011 12:01:08 AM
Surr: 1,2-Dichloroethane-d4	111	65.8-138		%REC	1	3/12/2011 12:01:08 AM
Surr: 4-Bromofluorobenzene	107	72.7-128		%REC	1	3/12/2011 12:01:08 AM
Surr: Dibromofluoromethane	102	69-135		%REC	1	3/12/2011 12:01:08 AM
Surr: Toluene-d8	102	86.1-134		%REC	1	3/12/2011 12:01:08 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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

C Western Refining Southwest, Gallup
P. .c: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-25933		*MBLK*				**Batch ID: 25933**		**Analysis Date:**	3/11/2011 4:16:30 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-25989		*MBLK*				**Batch ID: 25989**		**Analysis Date:**	3/16/2011 6:08:37 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
C m	ND	mg/L	0.0060								
C	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-25933		*LCS*				**Batch ID: 25933**		**Analysis Date:**	3/11/2011 4:20:45 PM		
Barium	0.4602	mg/L	0.0020	0.5	0	92.0	85	115			
Cadmium	0.4737	mg/L	0.0020	0.5	0	94.7	85	115			
Calcium	50.99	mg/L	1.0	50.5	0	101	85	115			
Chromium	0.4967	mg/L	0.0060	0.5	0	99.3	85	115			
Copper	0.5197	mg/L	0.0060	0.5	0	104	85	115			
Iron	0.5021	mg/L	0.020	0.5	0.0027	99.9	85	115			
Lead	0.4782	mg/L	0.0050	0.5	0	95.6	85	115			
Magnesium	51.95	mg/L	1.0	50.5	0	103	85	115			
Manganese	0.4797	mg/L	0.0020	0.5	0	95.9	85	115			
Potassium	53.27	mg/L	1.0	55	0	96.8	85	115			
Silver	0.5054	mg/L	0.0050	0.5	0	101	85	115			
Sodium	50.48	mg/L	1.0	50.5	0.1526	99.7	85	115			
Zinc	0.4738	mg/L	0.010	0.5	0	94.8	85	115			
Sample ID: LCS-25989		*LCS*				**Batch ID: 25989**		**Analysis Date:**	3/16/2011 6:13:34 PM		
Arsenic	0.5149	mg/L	0.020	0.5	0	103	85	115			

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS-25989		*LCS*				**Batch ID:**	**25989**	**Analysis Date:**		**3/16/2011 6:13:34 PM**	
Barium	0.4676	mg/L	0.0020	0.5	0	93.5	85	115			
Cadmium	0.4833	mg/L	0.0020	0.5	0	96.7	85	115			
Calcium	51.25	mg/L	1.0	50.5	0.0143	101	85	115			
Chromium	0.5035	mg/L	0.0060	0.5	0	101	85	115			
Copper	0.5251	mg/L	0.0060	0.5	0	105	85	115			
Iron	0.4974	mg/L	0.020	0.5	0	99.5	85	115			
Lead	0.4905	mg/L	0.0050	0.5	0	98.1	85	115			
Magnesium	51.20	mg/L	1.0	50.5	0	101	85	115			
Manganese	0.4903	mg/L	0.0020	0.5	0	98.1	85	115			
Potassium	53.84	mg/L	1.0	55	0	97.9	85	115			
Silver	0.5096	mg/L	0.0050	0.5	0	102	85	115			
Sodium	49.84	mg/L	1.0	50.5	0	98.7	85	115			
Zinc	0.4860	mg/L	0.010	0.5	0.0007	97.1	85	115			

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

Clie Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R44187**		Analysis Date:	3/18/2011 12:21:55 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R44208**		Analysis Date:	3/18/2011 5:24:22 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R44222**		Analysis Date:	3/21/2011 4:03:18 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: **R44187**		Analysis Date:	3/18/2011 12:26:55 PM		
Barium	0.4898	mg/L	0.0020	0.5	0	98.0	85	115			
Cadmium	0.5294	mg/L	0.0020	0.5	0	106	85	115			
Cr	52.32	mg/L	1.0	50.5	0	104	85	115			

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R44187**	Analysis Date:	3/18/2011 12:26:55 PM		
Chromium	0.5315	mg/L	0.0060	0.5	0	106	85	115			
Copper	0.5199	mg/L	0.0060	0.5	0	104	85	115			
Iron	0.5155	mg/L	0.020	0.5	0	103	85	115			
Lead	0.5269	mg/L	0.0050	0.5	0	105	85	115			
Magnesium	53.53	mg/L	1.0	50.5	0	106	85	115			
Manganese	0.5111	mg/L	0.0020	0.5	0	102	85	115			
Potassium	55.22	mg/L	1.0	55	0	100	85	115			
Sodium	51.46	mg/L	1.0	50.5	0	102	85	115			
Zinc	0.5262	mg/L	0.010	0.5	0	105	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44208**	Analysis Date:	3/18/2011 5:28:29 PM		
Barium	0.4515	mg/L	0.0020	0.5	0	90.3	85	115			
Cadmium	0.4810	mg/L	0.0020	0.5	0	96.2	85	115			
Chromium	0.4844	mg/L	0.0060	0.5	0	96.9	85	115			
Copper	0.4840	mg/L	0.0060	0.5	0	96.8	85	115			
Iron	0.5538	mg/L	0.020	0.5	0.0103	109	85	115			
Lead	0.4750	mg/L	0.0050	0.5	0	95.0	85	115			
Manganese	0.4631	mg/L	0.0020	0.5	0	92.6	85	115			
Silver	0.4859	mg/L	0.0050	0.5	0	97.2	85	115			
Zinc	0.4760	mg/L	0.010	0.5	0	95.2	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R44222**	Analysis Date:	3/21/2011 4:07:02 PM		
Barium	0.4563	mg/L	0.0020	0.5	0	91.3	85	115			
Cadmium	0.4898	mg/L	0.0020	0.5	0	98.0	85	115			
Calcium	43.53	mg/L	1.0	50.5	0.0088	86.2	85	115			
Chromium	0.4936	mg/L	0.0060	0.5	0	98.7	85	115			
Copper	0.5001	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4675	mg/L	0.020	0.5	0	93.5	85	115			
Lead	0.4873	mg/L	0.0050	0.5	0	97.5	85	115			
Magnesium	44.92	mg/L	1.0	50.5	0	88.9	85	115			
Manganese	0.4772	mg/L	0.0020	0.5	0	95.4	85	115			
Potassium	47.72	mg/L	1.0	55	0	86.8	85	115			
Silver	0.4839	mg/L	0.0050	0.5	0	96.8	85	115			
Sodium	44.18	mg/L	1.0	50.5	0	87.5	85	115			
Zinc	0.4911	mg/L	0.010	0.5	0	98.2	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R44262**	Analysis Date:	3/22/2011 12:28:18 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R44262**	Analysis Date:	3/22/2011 12:33:57 PM		
Arsenic	0.02344	mg/L	0.0010	0.025	0	93.8	85	115			
Selenium	0.02465	mg/L	0.0010	0.025	0	98.6	85	115			
Uranium	0.02335	mg/L	0.0010	0.025	0	93.4	85	115			

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

Cl Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-25933		*MBLK*				Batch ID:	**25933**	Analysis Date:	3/15/2011 2:53:26 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB-25989		*MBLK*				Batch ID:	**25989**	Analysis Date:	3/23/2011 1:59:59 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Method: EPA Method 245.1: Mercury											
Sample ID: MB-25965		*MBLK*				Batch ID:	**25965**	Analysis Date:	3/15/2011 12:23:38 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-25965		*LCS*				Batch ID:	**25965**	Analysis Date:	3/15/2011 12:25:23 PM		
Mercury	0.005117	mg/L	0.00020	0.005	0	102	80	120			

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:		3/10/2011 1:15:48 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44072**	Analysis Date:		3/11/2011 3:36:53 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44143**	Analysis Date:		3/14/2011 2:01:12 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44194**	Analysis Date:		3/17/2011 1:36:46 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44194**	Analysis Date:		3/18/2011 12:31:19 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44271**	Analysis Date:		3/22/2011 8:56:11 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R44296**	Analysis Date:		3/23/2011 3:10:28 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Clie Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R44296**	Analysis Date:		3/23/2011 3:10:28 PM	
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:		3/10/2011 1:27:03 PM	
Fluoride	0.4980	mg/L	0.10	0.5	0	99.6	90	110			
Chloride	5.030	mg/L	0.50	5	0	101	90	110			
Bromide	2.566	mg/L	0.10	2.5	0	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.512	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.964	mg/L	0.50	5	0	99.3	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44072**	Analysis Date:		3/11/2011 3:48:07 AM	
Fluoride	0.5081	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.953	mg/L	0.50	5	0	99.1	90	110			
Phosphorus, Orthophosphate (As P)	5.004	mg/L	0.50	5	0	100	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44143**	Analysis Date:		3/14/2011 2:18:38 PM	
Fluoride	0.1331	mg/L	0.10	0.5	0	26.6	90	110			S
Cl	0.7645	mg/L	0.50	5	0	15.3	90	110			S
Bro	0.7138	mg/L	0.10	2.5	0	28.6	90	110			S
Nitrate (As N)+Nitrite (As N)	0.7563	mg/L	0.20	3.5	0	21.6	90	110			S
Phosphorus, Orthophosphate (As P)	0.8005	mg/L	0.50	5	0	16.0	90	110			S
Sulfate	1.826	mg/L	0.50	10	0	18.3	90	110			S
Sample ID: LCS-b		*LCS*				Batch ID:	**R44143**	Analysis Date:		3/14/2011 2:36:03 PM	
Fluoride	0.5035	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.820	mg/L	0.50	5	0	96.4	90	110			
Bromide	2.409	mg/L	0.10	2.5	0	96.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.403	mg/L	0.20	3.5	0	97.2	90	110			
Phosphorus, Orthophosphate (As P)	5.106	mg/L	0.50	5	0	102	90	110			
Sulfate	9.875	mg/L	0.50	10	0	98.7	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44194**	Analysis Date:		3/17/2011 1:48:00 PM	
Fluoride	0.4709	mg/L	0.10	0.5	0	94.2	90	110			
Chloride	4.624	mg/L	0.50	5	0	92.5	90	110			
Bromide	2.259	mg/L	0.10	2.5	0	90.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.217	mg/L	0.20	3.5	0	91.9	90	110			
Phosphorus, Orthophosphate (As P)	4.630	mg/L	0.50	5	0	92.6	90	110			
Sulfate	9.463	mg/L	0.50	10	0	94.6	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44194**	Analysis Date:		3/18/2011 12:42:33 AM	
Fluoride	0.4850	mg/L	0.10	0.5	0	97.0	90	110			
Chloride	4.718	mg/L	0.50	5	0	94.4	90	110			
Bromide	2.434	mg/L	0.10	2.5	0	97.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.331	mg/L	0.20	3.5	0	95.2	90	110			
Phosphorus, Orthophosphate (As P)	4.770	mg/L	0.50	5	0	95.4	90	110			
S	9.627	mg/L	0.50	10	0	96.3	90	110			

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R44271**	Analysis Date:		3/22/2011 9:07:26 AM	
Fluoride	0.5066	mg/L	0.10	0.5	0	101	90	110			
Chloride	5.018	mg/L	0.50	5	0	100	90	110			
Bromide	2.539	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.529	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.998	mg/L	0.50	5	0	100	90	110			
Sulfate	10.19	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R44296**	Analysis Date:		3/23/2011 3:21:42 PM	
Fluoride	0.4948	mg/L	0.10	0.5	0	99.0	90	110			
Chloride	4.987	mg/L	0.50	5	0	99.7	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.465	mg/L	0.20	3.5	0	99.0	90	110			
Phosphorus, Orthophosphate (As P)	4.924	mg/L	0.50	5	0	98.5	90	110			
Sulfate	10.19	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25920		*MBLK*				Batch ID:	**25920**	Analysis Date:		3/10/2011 3:48:17 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25920		*LCS*				Batch ID:	**25920**	Analysis Date:		3/10/2011 4:22:09 PM	
Diesel Range Organics (DRO)	6.012	mg/L	1.0	5	0	120	74	157			
Sample ID: LCSD-25920		*LCSD*				Batch ID:	**25920**	Analysis Date:		3/10/2011 4:56:03 PM	
Diesel Range Organics (DRO)	5.785	mg/L	1.0	5	0	116	74	157	3.85	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44104**	Analysis Date:		3/14/2011 8:27:19 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44126**	Analysis Date:		3/15/2011 8:25:17 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 2:59:18 AM	
Gasoline Range Organics (GRO)	0.4696	mg/L	0.050	0.5	0	93.9	81.8	120			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R44104**	Analysis Date:		3/15/2011 3:29:13 AM	
Gasoline Range Organics (GRO)	0.4652	mg/L	0.050	0.5	0	93.0	81.8	120	0.941	17.1	

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				**Batch ID: R44107**		**Analysis Date: 3/14/2011 9:45:56 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
C[illegible] disulfide	ND	µg/L	10								
[illegible]etrachloride	ND	µg/L	1.0								
C[illegible]enzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
[illegible]ropyltoluene	ND	µg/L	1.0								

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
				Batch ID:	**R44107**		Analysis Date:		3/14/2011 9:45:56 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b3		*MBLK*									
				Batch ID:	**R44137**		Analysis Date:		3/11/2011 11:25:39 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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

Cli Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*									
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1 [illegible]loropropene	ND	µg/L	1.0								
H [illegible]obutadiene	ND	µg/L	1.0								
2-H[illegible]one	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
S[illegible]e ID: 100ng lcs		*LCS*									

Batch ID: **R44137** Analysis Date: 3/11/2011 11:25:39 AM

Batch ID: **R44107** Analysis Date: 3/14/2011 10:38:30 AM

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R44107**	Analysis Date:	3/14/2011 10:38:30 AM		
Benzene	21.03	µg/L	1.0	20	0	105	85.2	121			
Toluene	22.08	µg/L	1.0	20	0	110	88.3	121			
Chlorobenzene	22.62	µg/L	1.0	20	0	113	91.9	110			S
1,1-Dichloroethene	23.38	µg/L	1.0	20	0	117	91.5	134			
Trichloroethene (TCE)	21.30	µg/L	1.0	20	0	106	78.3	102			S
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R44137**	Analysis Date:	3/11/2011 12:31:01 PM		
Benzene	18.85	µg/L	1.0	20	0	94.3	85.2	121			
Toluene	20.21	µg/L	1.0	20	0	101	88.3	121			
Chlorobenzene	19.62	µg/L	1.0	20	0	98.1	91.9	110			
1,1-Dichloroethene	21.10	µg/L	1.0	20	0	105	91.5	134			
Trichloroethene (TCE)	16.55	µg/L	1.0	20	0	82.7	78.3	102			

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

Cli Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*					**Batch ID:** 25940		**Analysis Date:** 3/21/2011 12:35:06 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Bu[illegible]nzyl phthalate	ND	µg/L	10								
C[illegible]	ND	µg/L	10								
4-C[illegible]-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
H[illegible]hlorobenzene	ND	µg/L	10								

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: *mb-25940*		*MBLK*				Batch ID:	**25940**	Analysis Date:	3/21/2011 12:35:06 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: mb-25940		*MBLK*				Batch ID:	**25940**	Analysis Date:	3/24/2011 11:03:08 AM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								

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

Cl. Western Refining Southwest, Gallup
Project: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*							**Batch ID: 25940**	**Analysis Date: 3/24/2011 11:03:08 AM**	
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Di[illegible]hyl phthalate	ND	µg/L	10								
[illegible]orophenol	ND	µg/L	20								
2,[illegible]ethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
[illegible]phenol	ND	µg/L	10								

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: 1st QTR 2011 **Work Order:** 1103404

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*				Batch ID:	**25940**	Analysis Date:	3/24/2011 11:03:08 AM		
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-25940		*LCS*				Batch ID:	**25940**	Analysis Date:	3/21/2011 1:04:36 PM		
Acenaphthene	89.96	µg/L	10	100	0	90.0	31	99.4			
4-Chloro-3-methylphenol	87.64	µg/L	10	100	0	87.6	34.3	111			
2-Chlorophenol	79.64	µg/L	10	100	0	79.6	24.1	98.7			
1,4-Dichlorobenzene	63.38	µg/L	10	100	0	63.4	20.6	85.6			
2,4-Dinitrotoluene	78.72	µg/L	10	100	0	78.7	26.6	126			
N-Nitrosodi-n-propylamine	77.80	µg/L	10	100	0	77.8	29.2	94.4			
4-Nitrophenol	65.54	µg/L	10	100	0	65.5	9.87	86			
Pentachlorophenol	81.68	µg/L	20	100	0	81.7	20	97.8			
Phenol	55.14	µg/L	10	100	0	55.1	17.5	60.5			
Pyrene	79.62	µg/L	10	100	0	79.6	46.8	92.2			
1,2,4-Trichlorobenzene	71.44	µg/L	10	100	0	71.4	25.2	92.3			
Sample ID: lcs-25940		*LCS*				Batch ID:	**25940**	Analysis Date:	3/24/2011 11:32:18 AM		
Acenaphthene	84.64	µg/L	10	100	0	84.6	31	99.4			
4-Chloro-3-methylphenol	94.82	µg/L	10	100	0	94.8	34.3	111			
2-Chlorophenol	83.96	µg/L	10	100	0	84.0	24.1	98.7			
1,4-Dichlorobenzene	67.06	µg/L	10	100	0	67.1	20.6	85.6			
2,4-Dinitrotoluene	91.10	µg/L	10	100	0	91.1	26.6	126			
N-Nitrosodi-n-propylamine	91.36	µg/L	10	100	0	91.4	29.2	94.4			
4-Nitrophenol	54.52	µg/L	10	100	0	54.5	9.87	86			
Pentachlorophenol	75.28	µg/L	20	100	0	75.3	20	97.8			
Phenol	56.54	µg/L	10	100	0	56.5	17.5	60.5			
Pyrene	72.26	µg/L	10	100	0	72.3	46.8	92.2			
1,2,4-Trichlorobenzene	74.68	µg/L	10	100	0	74.7	25.2	92.3			

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: 3/9/2011

Work Order Number 1103404 | Received by: MMG

Checklist completed by: Signature 3/9/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
ır - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
ıer - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10 (<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 Mil HNO3 to heat # 1E + 2E to reach acceptable pH level. Ag 3/10/11

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 1st QTR 2011
Project #: AL2-EP1; Napis Eff
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 5°

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1103406	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) +MTBE	8270 (Semi-VOA)	Gen Chem	100C Mot. Total+Diss	Cations/Anions		Air Bubbles (Y or N)
3/8/11	1021	H_2O	NAPIS Eff			1			X							X	X	X	X			
/	0958	/	AL2-EP1			2			X							X	X		X	X		
/	0930	/	Field Blank			3																
/		/	TRIP Blank			4																

Date	Time	Relinquished by:	Received by:	Date	Time
3/8/11	1110			3-9-11	0900
3-9-11	1245		Mitchell Ca	3/9/11	12:41

Remarks: Gen Chem: Cations, Anions, pH, Spec Cond.

If necess mples submitted to Hall Environmental may be subcontracted to other accredited laboratories. erves as notice of this possibility. Any sub-contracted data will be clearly notated on the analyt ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, July 07, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2nd Qtr 2011

Order No.: 1106757

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 6/16/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:20:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.9	1.0		mg/L	1	6/20/2011 9:57:53 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/20/2011 9:57:53 AM
Surr: DNOP	108	97.7-132		%REC	1	6/20/2011 9:57:53 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	2.2	1.0		mg/L	20	6/20/2011 4:43:03 PM
Surr: BFB	115	65.4-141		%REC	20	6/20/2011 4:43:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	290	10		mg/L	20	6/17/2011 4:22:00 AM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	730	2.0		mg/L	1	6/22/2011 9:15:00 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Acenaphthylene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Aniline	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Anthracene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Azobenzene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Benz(a)anthracene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Benzo(a)pyrene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Benzoic acid	ND	100		µg/L	1	6/24/2011 2:12:42 PM
Benzyl alcohol	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	6/24/2011 2:12:42 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Butyl benzyl phthalate	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Carbazole	ND	50		µg/L	1	6/24/2011 2:12:42 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/24/2011 2:12:42 PM
4-Chloroaniline	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2-Chloronaphthalene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2-Chlorophenol	ND	50		µg/L	1	6/24/2011 2:12:42 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Chrysene	ND	50		µg/L	1	6/24/2011 2:12:42 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:20:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Di-n-butyl phthalate	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Di-n-octyl phthalate	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Dibenzofuran	ND	50		µg/L	1	6/24/2011 2:12:42 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Diethyl phthalate	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Dimethyl phthalate	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/24/2011 2:12:42 PM
2,4-Dimethylphenol	88	50		µg/L	1	6/24/2011 2:12:42 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/24/2011 2:12:42 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/24/2011 2:12:42 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Fluoranthene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Fluorene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Hexachlorobenzene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Hexachlorobutadiene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Hexachloroethane	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Isophorone	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2-Methylnaphthalene	140	50		µg/L	1	6/24/2011 2:12:42 PM
2-Methylphenol	220	50		µg/L	1	6/24/2011 2:12:42 PM
3+4-Methylphenol	360	50		µg/L	1	6/24/2011 2:12:42 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/24/2011 2:12:42 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	6/24/2011 2:12:42 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Naphthalene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2-Nitroaniline	ND	50		µg/L	1	6/24/2011 2:12:42 PM
3-Nitroaniline	ND	50		µg/L	1	6/24/2011 2:12:42 PM
4-Nitroaniline	ND	100		µg/L	1	6/24/2011 2:12:42 PM
Nitrobenzene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2-Nitrophenol	ND	50		µg/L	1	6/24/2011 2:12:42 PM
4-Nitrophenol	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Pentachlorophenol	ND	100		µg/L	1	6/24/2011 2:12:42 PM
Phenanthrene	56	50		µg/L	1	6/24/2011 2:12:42 PM
Phenol	500	50		µg/L	1	6/24/2011 2:12:42 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:20:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyrene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Pyridine	ND	50		µg/L	1	6/24/2011 2:12:42 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/24/2011 2:12:42 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/24/2011 2:12:42 PM
Surr: 2,4,6-Tribromophenol	47.7	14.4-140		%REC	1	6/24/2011 2:12:42 PM
Surr: 2-Fluorobiphenyl	46.3	31.2-116		%REC	1	6/24/2011 2:12:42 PM
Surr: 2-Fluorophenol	36.4	11.8-102		%REC	1	6/24/2011 2:12:42 PM
Surr: 4-Terphenyl-d14	43.9	19.1-132		%REC	1	6/24/2011 2:12:42 PM
Surr: Nitrobenzene-d5	46.4	21.3-126		%REC	1	6/24/2011 2:12:42 PM
Surr: Phenol-d5	29.9	13.7-82.2		%REC	1	6/24/2011 2:12:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	35	5.0		µg/L	5	6/20/2011 6:35:43 PM
Toluene	97	5.0		µg/L	5	6/20/2011 6:35:43 PM
Ethylbenzene	20	5.0		µg/L	5	6/20/2011 6:35:43 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2,4-Trimethylbenzene	100	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,3,5-Trimethylbenzene	36	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Naphthalene	47	10		µg/L	5	6/20/2011 6:35:43 PM
1-Methylnaphthalene	43	20		µg/L	5	6/20/2011 6:35:43 PM
2-Methylnaphthalene	80	20		µg/L	5	6/20/2011 6:35:43 PM
Acetone	650	50		µg/L	5	6/20/2011 6:35:43 PM
Bromobenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Bromodichloromethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Bromoform	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Bromomethane	ND	15		µg/L	5	6/20/2011 6:35:43 PM
2-Butanone	ND	50		µg/L	5	6/20/2011 6:35:43 PM
Carbon disulfide	ND	50		µg/L	5	6/20/2011 6:35:43 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Chlorobenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Chloroethane	ND	10		µg/L	5	6/20/2011 6:35:43 PM
Chloroform	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Chloromethane	ND	15		µg/L	5	6/20/2011 6:35:43 PM
2-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
4-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
cis-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 6:35:43 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
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:20:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/20/2011 6:35:43 PM
Dibromochloromethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Dibromomethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
2,2-Dichloropropane	ND	10		µg/L	5	6/20/2011 6:35:43 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
2-Hexanone	ND	50		µg/L	5	6/20/2011 6:35:43 PM
Isopropylbenzene	5.5	5.0		µg/L	5	6/20/2011 6:35:43 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/20/2011 6:35:43 PM
Methylene Chloride	ND	15		µg/L	5	6/20/2011 6:35:43 PM
n-Butylbenzene	7.9	5.0		µg/L	5	6/20/2011 6:35:43 PM
n-Propylbenzene	15	5.0		µg/L	5	6/20/2011 6:35:43 PM
sec-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Styrene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
tert-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/20/2011 6:35:43 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
trans-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/20/2011 6:35:43 PM
Vinyl chloride	ND	5.0		µg/L	5	6/20/2011 6:35:43 PM
Xylenes, Total	150	7.5		µg/L	5	6/20/2011 6:35:43 PM
Surr: 1,2-Dichloroethane-d4	97.4	65.8-138		%REC	5	6/20/2011 6:35:43 PM
Surr: 4-Bromofluorobenzene	90.3	72.7-128		%REC	5	6/20/2011 6:35:43 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
- 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:20:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: Dibromofluoromethane	91.3	69-135		%REC	5	6/20/2011 6:35:43 PM
Surr: Toluene-d8	98.8	86.1-134		%REC	5	6/20/2011 6:35:43 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	9.03	0.100		pH units	1	6/17/2011 12:58:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:45:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.7	1.0		mg/L	1	6/20/2011 10:32:12 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/20/2011 10:32:12 AM
Surr: DNOP	114	97.7-132		%REC	1	6/20/2011 10:32:12 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	2.0	0.25		mg/L	5	6/20/2011 5:40:48 PM
Surr: BFB	218	65.4-141	S	%REC	5	6/20/2011 5:40:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	210	25		mg/L	50	6/17/2011 4:44:27 AM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	540	2.0		mg/L	1	6/22/2011 9:15:00 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Acenaphthylene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Aniline	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Anthracene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Azobenzene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Benz(a)anthracene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Benzo(a)pyrene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Benzoic acid	ND	100		µg/L	1	6/24/2011 2:43:09 PM
Benzyl alcohol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	6/24/2011 2:43:09 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Butyl benzyl phthalate	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Carbazole	ND	50		µg/L	1	6/24/2011 2:43:09 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
4-Chloroaniline	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2-Chloronaphthalene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2-Chlorophenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Chrysene	ND	50		µg/L	1	6/24/2011 2:43:09 PM

Qualifiers:

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:45:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Di-n-butyl phthalate	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Di-n-octyl phthalate	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Dibenzofuran	ND	50		µg/L	1	6/24/2011 2:43:09 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Diethyl phthalate	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Dimethyl phthalate	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/24/2011 2:43:09 PM
2,4-Dimethylphenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/24/2011 2:43:09 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/24/2011 2:43:09 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Fluoranthene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Fluorene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Hexachlorobenzene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Hexachlorobutadiene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Hexachloroethane	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Isophorone	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2-Methylnaphthalene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2-Methylphenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
3+4-Methylphenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/24/2011 2:43:09 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	6/24/2011 2:43:09 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Naphthalene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2-Nitroaniline	ND	50		µg/L	1	6/24/2011 2:43:09 PM
3-Nitroaniline	ND	50		µg/L	1	6/24/2011 2:43:09 PM
4-Nitroaniline	ND	100		µg/L	1	6/24/2011 2:43:09 PM
Nitrobenzene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2-Nitrophenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
4-Nitrophenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Pentachlorophenol	ND	100		µg/L	1	6/24/2011 2:43:09 PM
Phenanthrene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Phenol	ND	50		µg/L	1	6/24/2011 2:43:09 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
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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:45:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyrene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Pyridine	ND	50		µg/L	1	6/24/2011 2:43:09 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/24/2011 2:43:09 PM
Surr: 2,4,6-Tribromophenol	46.0	14.4-140		%REC	1	6/24/2011 2:43:09 PM
Surr: 2-Fluorobiphenyl	42.6	31.2-116		%REC	1	6/24/2011 2:43:09 PM
Surr: 2-Fluorophenol	35.7	11.8-102		%REC	1	6/24/2011 2:43:09 PM
Surr: 4-Terphenyl-d14	45.5	19.1-132		%REC	1	6/24/2011 2:43:09 PM
Surr: Nitrobenzene-d5	46.8	21.3-126		%REC	1	6/24/2011 2:43:09 PM
Surr: Phenol-d5	25.9	13.7-82.2		%REC	1	6/24/2011 2:43:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Toluene	7.2	5.0		µg/L	5	6/20/2011 7:03:58 PM
Ethylbenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2,4-Trimethylbenzene	14	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Naphthalene	16	10		µg/L	5	6/20/2011 7:03:58 PM
1-Methylnaphthalene	32	20		µg/L	5	6/20/2011 7:03:58 PM
2-Methylnaphthalene	56	20		µg/L	5	6/20/2011 7:03:58 PM
Acetone	630	50		µg/L	5	6/20/2011 7:03:58 PM
Bromobenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Bromodichloromethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Bromoform	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Bromomethane	ND	15		µg/L	5	6/20/2011 7:03:58 PM
2-Butanone	ND	50		µg/L	5	6/20/2011 7:03:58 PM
Carbon disulfide	86	50		µg/L	5	6/20/2011 7:03:58 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Chlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Chloroethane	ND	10		µg/L	5	6/20/2011 7:03:58 PM
Chloroform	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Chloromethane	ND	15		µg/L	5	6/20/2011 7:03:58 PM
2-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
4-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
cis-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM

Qualifiers:

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- 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:45:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/20/2011 7:03:58 PM
Dibromochloromethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Dibromomethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
2,2-Dichloropropane	ND	10		µg/L	5	6/20/2011 7:03:58 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
2-Hexanone	ND	50		µg/L	5	6/20/2011 7:03:58 PM
Isopropylbenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/20/2011 7:03:58 PM
Methylene Chloride	ND	15		µg/L	5	6/20/2011 7:03:58 PM
n-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
n-Propylbenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
sec-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Styrene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
tert-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/20/2011 7:03:58 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
trans-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/20/2011 7:03:58 PM
Vinyl chloride	ND	5.0		µg/L	5	6/20/2011 7:03:58 PM
Xylenes, Total	15	7.5		µg/L	5	6/20/2011 7:03:58 PM
Surr: 1,2-Dichloroethane-d4	92.8	65.8-138		%REC	5	6/20/2011 7:03:58 PM
Surr: 4-Bromofluorobenzene	84.2	72.7-128		%REC	5	6/20/2011 7:03:58 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
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:45:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: Dibromofluoromethane	88.5	69-135		%REC	5	6/20/2011 7:03:58 PM
Surr: Toluene-d8	96.1	86.1-134		%REC	5	6/20/2011 7:03:58 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.45	0.100		pH units	1	6/17/2011 2:39:00 AM

Qualifiers:

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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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1106757	**Collection Date:**	6/16/2011 7:40:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	600	2.0		mg/L	1	6/22/2011 9:15:00 AM

Qualifiers:

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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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1106757	**Collection Date:**	6/15/2011 2:52:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	10	1.0		mg/L	1	6/18/2011 10:47:15 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/18/2011 10:47:15 PM
Surr: DNOP	120	97.7-132		%REC	1	6/18/2011 10:47:15 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.56	0.25		mg/L	5	6/20/2011 6:09:39 PM
Surr: BFB	147	65.4-141	S	%REC	5	6/20/2011 6:09:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	140	5.0		mg/L	50	6/17/2011 5:40:36 AM
Chloride	250	25		mg/L	50	6/17/2011 5:40:36 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	6/17/2011 5:29:22 AM
Bromide	1.8	1.0		mg/L	10	6/17/2011 5:29:22 AM
Nitrogen, Nitrate (As N)	1.0	1.0		mg/L	10	6/17/2011 5:29:22 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/17/2011 5:29:22 AM
Sulfate	1200	25		mg/L	50	6/17/2011 5:40:36 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.046	0.010		mg/L	5	6/29/2011 9:36:09 PM
Cadmium	ND	0.010		mg/L	5	6/29/2011 9:36:09 PM
Calcium	48	5.0		mg/L	5	6/29/2011 9:36:09 PM
Chromium	ND	0.030		mg/L	5	6/29/2011 9:36:09 PM
Copper	ND	0.030		mg/L	5	6/29/2011 9:36:09 PM
Iron	16	1.0		mg/L	50	6/30/2011 7:05:20 PM
Lead	ND	0.025		mg/L	5	6/29/2011 9:36:09 PM
Magnesium	18	5.0		mg/L	5	6/29/2011 9:36:09 PM
Manganese	0.24	0.010		mg/L	5	6/29/2011 9:36:09 PM
Potassium	75	5.0		mg/L	5	6/29/2011 9:36:09 PM
Silver	ND	0.025		mg/L	5	6/29/2011 9:36:09 PM
Sodium	1100	50		mg/L	50	6/30/2011 7:05:20 PM
Zinc	0.57	0.050		mg/L	5	6/30/2011 7:02:32 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.099	0.0020		mg/L	1	6/23/2011 5:24:58 PM
Cadmium	ND	0.0020		mg/L	1	6/23/2011 5:24:58 PM
Chromium	0.029	0.0060		mg/L	1	6/23/2011 5:24:58 PM
Copper	0.017	0.0060		mg/L	1	6/23/2011 5:24:58 PM
Iron	15	1.0		mg/L	50	6/23/2011 5:31:19 PM
Lead	ND	0.0050		mg/L	1	6/23/2011 5:24:58 PM
Manganese	0.22	0.0020		mg/L	1	6/23/2011 5:24:58 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1106757	**Collection Date:**	6/15/2011 2:52:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Silver	ND	0.0050		mg/L	1	6/23/2011 5:24:58 PM
Zinc	0.62	0.010		mg/L	1	6/23/2011 5:24:58 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.013	0.0050		mg/L	5	7/1/2011 6:08:20 PM
Selenium	0.023	0.0050		mg/L	5	7/1/2011 6:08:20 PM
Uranium	ND	0.0050		mg/L	5	7/5/2011 11:59:16 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.016	0.0025		mg/L	2.5	7/1/2011 3:54:42 PM
Selenium	0.017	0.0025		mg/L	2.5	7/1/2011 3:54:42 PM
Uranium	ND	0.0025		mg/L	2.5	7/1/2011 3:54:42 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	0.00093	0.00020		mg/L	1	6/17/2011 1:06:39 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Acenaphthylene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Aniline	61	50		µg/L	1	6/24/2011 3:13:42 PM
Anthracene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Azobenzene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Benz(a)anthracene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Benzo(a)pyrene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Benzoic acid	ND	100		µg/L	1	6/24/2011 3:13:42 PM
Benzyl alcohol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	6/24/2011 3:13:42 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Butyl benzyl phthalate	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Carbazole	ND	50		µg/L	1	6/24/2011 3:13:42 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
4-Chloroaniline	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2-Chloronaphthalene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2-Chlorophenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1106757	**Collection Date:**	6/15/2011 2:52:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Chrysene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Di-n-butyl phthalate	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Di-n-octyl phthalate	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Dibenzofuran	ND	50		µg/L	1	6/24/2011 3:13:42 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Diethyl phthalate	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Dimethyl phthalate	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/24/2011 3:13:42 PM
2,4-Dimethylphenol	100	50		µg/L	1	6/24/2011 3:13:42 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/24/2011 3:13:42 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/24/2011 3:13:42 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Fluoranthene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Fluorene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Hexachlorobenzene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Hexachlorobutadiene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Hexachloroethane	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Isophorone	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2-Methylnaphthalene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2-Methylphenol	120	50		µg/L	1	6/24/2011 3:13:42 PM
3+4-Methylphenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/24/2011 3:13:42 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	6/24/2011 3:13:42 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Naphthalene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2-Nitroaniline	ND	50		µg/L	1	6/24/2011 3:13:42 PM
3-Nitroaniline	ND	50		µg/L	1	6/24/2011 3:13:42 PM
4-Nitroaniline	ND	100		µg/L	1	6/24/2011 3:13:42 PM
Nitrobenzene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2-Nitrophenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
4-Nitrophenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Pentachlorophenol	ND	100		µg/L	1	6/24/2011 3:13:42 PM

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1106757	**Collection Date:**	6/15/2011 2:52:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Phenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Pyrene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Pyridine	ND	50		µg/L	1	6/24/2011 3:13:42 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/24/2011 3:13:42 PM
Surr: 2,4,6-Tribromophenol	72.1	14.4-140		%REC	1	6/24/2011 3:13:42 PM
Surr: 2-Fluorobiphenyl	63.5	31.2-116		%REC	1	6/24/2011 3:13:42 PM
Surr: 2-Fluorophenol	52.5	11.8-102		%REC	1	6/24/2011 3:13:42 PM
Surr: 4-Terphenyl-d14	61.8	19.1-132		%REC	1	6/24/2011 3:13:42 PM
Surr: Nitrobenzene-d5	70.5	21.3-126		%REC	1	6/24/2011 3:13:42 PM
Surr: Phenol-d5	42.2	13.7-82.2		%REC	1	6/24/2011 3:13:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Toluene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Ethylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Naphthalene	ND	10		µg/L	5	6/20/2011 7:32:11 PM
1-Methylnaphthalene	ND	20		µg/L	5	6/20/2011 7:32:11 PM
2-Methylnaphthalene	ND	20		µg/L	5	6/20/2011 7:32:11 PM
Acetone	510	50		µg/L	5	6/20/2011 7:32:11 PM
Bromobenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Bromodichloromethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Bromoform	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Bromomethane	ND	15		µg/L	5	6/20/2011 7:32:11 PM
2-Butanone	ND	50		µg/L	5	6/20/2011 7:32:11 PM
Carbon disulfide	ND	50		µg/L	5	6/20/2011 7:32:11 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Chlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Chloroethane	ND	10		µg/L	5	6/20/2011 7:32:11 PM
Chloroform	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Chloromethane	ND	15		µg/L	5	6/20/2011 7:32:11 PM
2-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
4-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 7:32:11 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1106757	**Collection Date:**	6/15/2011 2:52:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
cis-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/20/2011 7:32:11 PM
Dibromochloromethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Dibromomethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
2,2-Dichloropropane	ND	10		µg/L	5	6/20/2011 7:32:11 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
2-Hexanone	ND	50		µg/L	5	6/20/2011 7:32:11 PM
Isopropylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/20/2011 7:32:11 PM
Methylene Chloride	ND	15		µg/L	5	6/20/2011 7:32:11 PM
n-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
n-Propylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
sec-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Styrene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
tert-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/20/2011 7:32:11 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
trans-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/20/2011 7:32:11 PM
Vinyl chloride	ND	5.0		µg/L	5	6/20/2011 7:32:11 PM
Xylenes, Total	ND	7.5		µg/L	5	6/20/2011 7:32:11 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1106757	**Collection Date:**	6/15/2011 2:52:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106757-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: 1,2-Dichloroethane-d4	89.1	65.8-138		%REC	5	6/20/2011 7:32:11 PM
Surr: 4-Bromofluorobenzene	90.6	72.7-128		%REC	5	6/20/2011 7:32:11 PM
Surr: Dibromofluoromethane	85.4	69-135		%REC	5	6/20/2011 7:32:11 PM
Surr: Toluene-d8	98.4	86.1-134		%REC	5	6/20/2011 7:32:11 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.44	0.100	H	pH units	1	6/17/2011 4:11:00 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110621043
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1106757
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110621043-001	**Sampling Date**	6/16/2011	**Date/Time Received**	6/21/2011 12:10 PM
Client Sample ID	1106757-01F / INFL TO AL-1	**Sampling Time**	7:20 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	905	mg/L	5	6/23/2011	KAS	EPA 410.4	

Sample Number	110621043-002	**Sampling Date**	6/16/2011	**Date/Time Received**	6/21/2011 12:10 PM
Client Sample ID	1106757-02F / INFL TO AL-2	**Sampling Time**	7:45 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	779	mg/L	5	6/23/2011	KAS	EPA 410.4	

Sample Number	110621043-003	**Sampling Date**	6/15/2011	**Date/Time Received**	6/21/2011 12:10 PM
Client Sample ID	1106757-04G / INFL TO EP-1	**Sampling Time**	2:52 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	965	mg/L	5	6/23/2011	KAS	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

Monday, June 27, 2011

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 110675

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-27275		*MBLK*				Batch ID:	27275	Analysis Date:	6/21/2011 2:40:32 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB-27275		*MBLK*				Batch ID:	27275	Analysis Date:	6/22/2011 1:44:54 PM		
Manganese	ND	mg/L	0.0020								
Sample ID: LCS-27275		*LCS*				Batch ID:	27275	Analysis Date:	6/21/2011 2:44:17 PM		
Arsenic	0.5384	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5017	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5054	mg/L	0.0020	0.5	0.0002	101	85	115			
Chromium	0.5170	mg/L	0.0060	0.5	0.0011	103	85	115			
Copper	0.5134	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5027	mg/L	0.020	0.5	0	101	85	115			
Lead	0.5148	mg/L	0.0050	0.5	0	103	85	115			
Selenium	0.5309	mg/L	0.050	0.5	0	106	85	115			
Silver	0.1024	mg/L	0.0050	0.1	0	102	85	115			
Zinc	0.5335	mg/L	0.010	0.5	0.002	106	85	115			
Sample ID: LCS-27275		*LCS*				Batch ID:	27275	Analysis Date:	6/22/2011 1:48:40 PM		
Manganese	0.5211	mg/L	0.0020	0.5	0	104	85	115			

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: 2nd Qtr 2011 Work Order: 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R46231**		Analysis Date:	6/29/2011 3:04:33 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46231**		Analysis Date:	6/29/2011 3:12:49 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
[illegible]	ND	mg/L	0.0060								
[illegible]	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 3:53:15 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 4:03:12 PM		
Barium	ND	mg/L	0.0020								
[illegible]m	ND	mg/L	0.0020								

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: 2nd Qtr 2011 **Work Order:** 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 4:03:12 PM		
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R46231**	Analysis Date:	6/29/2011 3:09:24 PM		
Barium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Calcium	53.18	mg/L	1.0	50.5	0.0247	105	85	115			
Chromium	0.5155	mg/L	0.0060	0.5	0	103	85	115			
Copper	0.4945	mg/L	0.0060	0.5	0	98.9	85	115			
Iron	0.5010	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5095	mg/L	0.0050	0.5	0	102	85	115			
Magnesium	50.86	mg/L	1.0	50.5	0.0229	101	85	115			
Manganese	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Potassium	48.58	mg/L	1.0	55	0	88.3	85	115			
Silver	0.09939	mg/L	0.0050	0.1	0	99.4	85	115			
Sodium	49.03	mg/L	1.0	50.5	0	97.1	85	115			
Zinc	0.5436	mg/L	0.010	0.5	0	109	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 3:57:35 PM		
Barium	0.4917	mg/L	0.0020	0.5	0	98.3	85	115			
Cadmium	0.4893	mg/L	0.0020	0.5	0.0002	97.8	85	115			
Calcium	49.31	mg/L	1.0	50.5	0	97.6	85	115			
Chromium	0.5035	mg/L	0.0060	0.5	0.0004	101	85	115			
Copper	0.5183	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4853	mg/L	0.020	0.5	0	97.1	85	115			
Lead	0.4840	mg/L	0.0050	0.5	0	96.8	85	115			
Magnesium	50.23	mg/L	1.0	50.5	0	99.5	85	115			
Manganese	0.4945	mg/L	0.0020	0.5	0	98.9	85	115			
Potassium	49.17	mg/L	1.0	55	0	89.4	85	115			
Silver	0.1013	mg/L	0.0050	0.1	0	101	85	115			
Sodium	49.83	mg/L	1.0	50.5	0	98.7	85	115			
Zinc	0.5066	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 4:07:30 PM		
Barium	0.4948	mg/L	0.0020	0.5	0	99.0	85	115			
Cadmium	0.4921	mg/L	0.0020	0.5	0.0003	98.4	85	115			
Calcium	50.31	mg/L	1.0	50.5	0	99.6	85	115			
Chromium	0.5124	mg/L	0.0060	0.5	0	102	85	115			

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

Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 4:07:30 PM		
Copper	0.5163	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4890	mg/L	0.020	0.5	0	97.8	85	115			
Lead	0.4890	mg/L	0.0050	0.5	0.0018	97.4	85	115			
Magnesium	50.83	mg/L	1.0	50.5	0	101	85	115			
Manganese	0.4972	mg/L	0.0020	0.5	0	99.4	85	115			
Potassium	49.78	mg/L	1.0	55	0	90.5	85	115			
Silver	0.1023	mg/L	0.0050	0.1	0	102	85	115			
Sodium	50.39	mg/L	1.0	50.5	0	99.8	85	115			
Zinc	0.5188	mg/L	0.010	0.5	0	104	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:44:02 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:40:13 AM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:47:45 PM		
[illegible]	0.02521	mg/L	0.0010	0.025	0	101	85	115			
[illegible]um	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Uranium	0.02391	mg/L	0.0010	0.025	0	95.6	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:43:23 AM		
Uranium	0.02725	mg/L	0.0010	0.025	0	109	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-27275		*MBLK*				Batch ID:	**27275**	Analysis Date:	7/1/2011 3:43:36 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Method: EPA Method 245.1: Mercury											
Sample ID: MB-27250		*MBLK*				Batch ID:	**27250**	Analysis Date:	6/17/2011 12:32:27 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-27250		*LCS*				Batch ID:	**27250**	Analysis Date:	6/17/2011 12:34:11 PM		
Mercury	0.004930	mg/L	0.00020	0.005	0	98.6	80	120			

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: 2nd Qtr 2011 **Work Order:** 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 9:16:28 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 7:34:05 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45990**	Analysis Date:	6/17/2011 6:25:32 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 9:27:42 AM		
Fluoride	0.5146	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.916	mg/L	0.50	5	0	98.3	90	110			
Nitrogen, Nitrite (As N)	0.9935	mg/L	0.10	1	0	99.4	90	110			
Bromide	2.539	mg/L	0.10	2.5	0	102	90	110			
Nitrogen, Nitrate (As N)	2.538	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.051	mg/L	0.50	5	0	101	90	110			
Sulfate	9.940	mg/L	0.50	10	0	99.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 7:45:19 PM		
Fluoride	0.4778	mg/L	0.10	0.5	0	95.6	90	110			
Chloride	4.560	mg/L	0.50	5	0	91.2	90	110			
Nitrogen, Nitrite (As N)	0.9253	mg/L	0.10	1	0	92.5	90	110			
Bromide	2.338	mg/L	0.10	2.5	0	93.5	90	110			
Nitrogen, Nitrate (As N)	2.340	mg/L	0.10	2.5	0	93.6	90	110			
Phosphorus, Orthophosphate (As P)	4.681	mg/L	0.50	5	0	93.6	90	110			
Sulfate	9.161	mg/L	0.50	10	0	91.6	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:	6/17/2011 6:36:46 AM		
Fluoride	0.4842	mg/L	0.10	0.5	0	96.8	90	110			
Chloride	4.584	mg/L	0.50	5	0	91.7	90	110			
Phosphorus, Orthophosphate (As P)	4.673	mg/L	0.50	5	0	93.5	90	110			
Sulfate	9.179	mg/L	0.50	10	0	91.8	90	110			

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

: Western Refining Southwest, Gallup
ect: 2nd Qtr 2011 **Work Order:** 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-27248		*MBLK*				Batch ID:	**27248**	Analysis Date:		6/18/2011 7:55:02 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-27248		*LCS*				Batch ID:	**27248**	Analysis Date:		6/19/2011 5:44:59 PM	
Diesel Range Organics (DRO)	6.109	mg/L	1.0	5	0	122	74	157			
Sample ID: LCSD-27248		*LCSD*				Batch ID:	**27248**	Analysis Date:		6/18/2011 9:04:23 PM	
Diesel Range Organics (DRO)	6.596	mg/L	1.0	5	0	132	74	157	7.66	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R46033**	Analysis Date:		6/20/2011 10:23:05 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R46033**	Analysis Date:		6/20/2011 12:18:52 PM	
Gasoline Range Organics (GRO)	0.5096	mg/L	0.050	0.5	0	102	81.8	120			

ifiers:

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: 2nd Qtr 2011 **Work Order:** 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				**Batch ID: R46044**		**Analysis Date: 6/20/2011 12:28:49 PM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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

Western Refining Southwest, Gallup

Work Order: 1106757

2nd Qtr 2011

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				Batch ID: **R46044**		Analysis Date:	6/20/2011 12:28:49 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1 Trichloropropane	ND	µg/L	2.0								
\ iloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*				Batch ID: **R46044**		Analysis Date:	6/20/2011 12:00:40 PM		
Benzene	20.59	µg/L	1.0	20	0	103	81.1	130			
Toluene	22.36	µg/L	1.0	20	0	112	82.3	122			
Chlorobenzene	21.45	µg/L	1.0	20	0	107	70	130			
1,1-Dichloroethene	21.53	µg/L	1.0	20	0	108	83.1	126			
Trichloroethene (TCE)	18.14	µg/L	1.0	20	0	90.7	67.4	137			

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: 2nd Qtr 2011 **Work Order:** 110675

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27282		*MBLK*									
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Batch ID: **27282** **Analysis Date:** 6/24/2011 12:12:34 PM

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

C : Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27282		*MBLK*				**Batch ID: 27282**		**Analysis Date:**	6/24/2011 12:12:34 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
`hlorophenol	ND	µg/L	20								
`ithrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-27282		*LCS*				**Batch ID: 27282**		**Analysis Date:**	6/24/2011 12:42:24 PM		
Acenaphthene	80.56	µg/L	10	100	0	80.6	31.7	107			
4-Chloro-3-methylphenol	157.5	µg/L	10	200	0	78.7	24.4	123			
2-Chlorophenol	124.6	µg/L	10	200	0	62.3	24.7	104			
1,4-Dichlorobenzene	71.46	µg/L	10	100	0	71.5	20.3	95			
2,4-Dinitrotoluene	82.02	µg/L	10	100	0	82.0	22.4	106			
N-Nitrosodi-n-propylamine	72.98	µg/L	10	100	0	73.0	25.3	107			
4-Nitrophenol	63.86	µg/L	10	200	5.58	29.1	11.6	110			
Pentachlorophenol	91.90	µg/L	20	200	0	46.0	19.5	113			
Phenol	86.60	µg/L	10	200	0	43.3	16.1	69.3			
Pyrene	77.68	µg/L	10	100	0	77.7	38.3	99.3			
1,2,4-Trichlorobenzene	77.96	µg/L	10	100	0	78.0	25	97.3			
Sample ID: lcsd-27282		*LCSD*				**Batch ID: 27282**		**Analysis Date:**	6/24/2011 11:46:36 PM		
Acenaphthene	82.70	µg/L	10	100	0	82.7	31.7	107	2.62	20	
4-Chloro-3-methylphenol	147.9	µg/L	10	200	0	74.0	24.4	123	6.25	20	
2-Chlorophenol	88.18	µg/L	10	200	0	44.1	24.7	104	34.2	20	R
1,4-Dichlorobenzene	72.64	µg/L	10	100	0	72.6	20.3	95	1.64	20	
`nitrotoluene	77.38	µg/L	10	100	0	77.4	22.4	106	5.82	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: 2nd Qtr 2011 **Work Order:** 1106757

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-27282		*LCSD*				Batch ID:	**27282**	Analysis Date:		6/24/2011 11:46:36 PM	
N-Nitrosodi-n-propylamine	71.26	µg/L	10	100	0	71.3	25.3	107	2.38	20	
4-Nitrophenol	37.58	µg/L	10	200	5.58	16.0	11.6	110	51.8	20	R
Pentachlorophenol	74.44	µg/L	20	200	0	37.2	19.5	113	21.0	20	R
Phenol	72.66	µg/L	10	200	0	36.3	16.1	69.3	17.5	20	
Pyrene	77.06	µg/L	10	100	0	77.1	38.3	99.3	0.801	20	
1,2,4-Trichlorobenzene	79.56	µg/L	10	100	0	79.6	25	97.3	2.03	20	
Method: SM5210B: BOD											
Sample ID: MB-27246		*MBLK*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-27246		*MBLK*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-27246		*LCS*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	173.7	mg/L	2.0	198	0	87.7	84.6	115.4			
Sample ID: LCSD-27246		*LCSD*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	174.7	mg/L	2.0	198	0	88.2	84.6	115.4	0.574	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 6/16/2011

Work Order Number 1106757 | Received by: LNM

Checklist completed by: Signature 6/16/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**1.9°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining
Rt 3 Box 7
Mailing Address: Gallup Refinery
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: 3rd QTR 2011
Project #: Influents
Project Manager: Cheryl Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.9

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. 1106151	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,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA) phenols	BOD	COD	Chloride/pH	Cations/Anions, pH, EC	Air Bubbles (Y or N)
6/16/11	0720	AQ	Infl to AL-1			1			X							X	X	X	X	X		
6/16/11	0745		Infl to AL-2			2			X							X	X	X	X	X		
6/16/11	0740		Infl to EP-1			3												X				
						~~4~~																
6/15/11	1452		Infl to EP-1			4			X				X			X	X		X		X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16/11	0930			6/16/11	1305
6-16-11	1:05				

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, July 07, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2nd QTR 2011

Order No.: 1106758

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 6/16/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

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

Hall Environmental Analysis Laboratory, Inc. Date: *07-Jul-11*

CLIENT: Western Refining Southwest, Gallup
Project: 2nd QTR 2011
Lab Order: 1106758

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 1106758-02a: Sample dilution due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1106758	**Collection Date:**	6/15/2011 8:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/18/2011 11:21:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/18/2011 11:21:24 PM
Surr: DNOP	120	97.7-132		%REC	1	6/18/2011 11:21:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	6/20/2011 6:38:35 PM
Surr: BFB	110	65.4-141		%REC	1	6/20/2011 6:38:35 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.52	0.10		mg/L	1	6/17/2011 3:14:36 AM
Chloride	140	10		mg/L	20	6/17/2011 3:25:50 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	6/17/2011 3:14:36 AM
Bromide	1.8	0.10		mg/L	1	6/17/2011 3:14:36 AM
Nitrogen, Nitrate (As N)	6.2	0.10		mg/L	1	6/17/2011 3:14:36 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/17/2011 3:14:36 AM
Sulfate	78	10		mg/L	20	6/17/2011 3:25:50 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.14	0.0020		mg/L	1	6/29/2011 10:24:48 PM
Cadmium	ND	0.0020		mg/L	1	6/29/2011 10:24:48 PM
Calcium	83	1.0		mg/L	1	6/29/2011 10:24:48 PM
Chromium	ND	0.0060		mg/L	1	6/29/2011 10:24:48 PM
Copper	ND	0.0060		mg/L	1	6/29/2011 10:24:48 PM
Iron	ND	0.020		mg/L	1	6/29/2011 10:24:48 PM
Lead	ND	0.0050		mg/L	1	6/29/2011 10:24:48 PM
Magnesium	15	1.0		mg/L	1	6/29/2011 10:24:48 PM
Manganese	0.0023	0.0020		mg/L	1	6/29/2011 10:24:48 PM
Potassium	ND	1.0		mg/L	1	6/29/2011 10:24:48 PM
Silver	ND	0.0050		mg/L	1	6/29/2011 10:24:48 PM
Sodium	340	5.0		mg/L	5	6/29/2011 9:39:00 PM
Zinc	0.028	0.010		mg/L	1	6/29/2011 10:24:48 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.19	0.0020		mg/L	1	6/27/2011 4:19:40 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2011 4:19:40 PM
Chromium	ND	0.0060		mg/L	1	6/27/2011 4:19:40 PM
Copper	ND	0.0060		mg/L	1	6/27/2011 4:19:40 PM
Iron	2.2	0.10		mg/L	5	6/28/2011 5:25:07 PM
Lead	ND	0.0050		mg/L	1	6/27/2011 4:19:40 PM
Manganese	0.058	0.0020		mg/L	1	6/27/2011 4:19:40 PM

Qualifiers:

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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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1106758	**Collection Date:**	6/15/2011 8:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Silver	ND	0.0050		mg/L	1	6/27/2011 4:19:40 PM
Zinc	0.012	0.010		mg/L	1	6/28/2011 5:22:11 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0047	0.0010		mg/L	1	7/1/2011 6:12:03 PM
Selenium	0.017	0.0010		mg/L	1	7/1/2011 6:12:03 PM
Uranium	0.016	0.0010		mg/L	1	7/5/2011 12:02:26 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0040	0.0025		mg/L	2.5	6/21/2011 5:42:09 PM
Selenium	0.010	0.0025		mg/L	2.5	6/21/2011 5:42:09 PM
Uranium	0.013	0.0025		mg/L	2.5	6/21/2011 5:42:09 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/17/2011 1:08:24 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Acenaphthylene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Aniline	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Anthracene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Azobenzene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Benz(a)anthracene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Benzo(a)pyrene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Benzoic acid	ND	20		µg/L	1	6/24/2011 3:44:08 PM
Benzyl alcohol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/24/2011 3:44:08 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Butyl benzyl phthalate	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Carbazole	ND	10		µg/L	1	6/24/2011 3:44:08 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
4-Chloroaniline	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2-Chloronaphthalene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2-Chlorophenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Lab ID:	1106758-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Chrysene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Di-n-butyl phthalate	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Di-n-octyl phthalate	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Dibenzofuran	ND	10		µg/L	1	6/24/2011 3:44:08 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Diethyl phthalate	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Dimethyl phthalate	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2,4-Dichlorophenol	ND	20		µg/L	1	6/24/2011 3:44:08 PM
2,4-Dimethylphenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/24/2011 3:44:08 PM
2,4-Dinitrophenol	ND	20		µg/L	1	6/24/2011 3:44:08 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Fluoranthene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Fluorene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Hexachlorobenzene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Hexachlorobutadiene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Hexachloroethane	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Isophorone	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2-Methylnaphthalene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2-Methylphenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
3+4-Methylphenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	6/24/2011 3:44:08 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	6/24/2011 3:44:08 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Naphthalene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2-Nitroaniline	ND	10		µg/L	1	6/24/2011 3:44:08 PM
3-Nitroaniline	ND	10		µg/L	1	6/24/2011 3:44:08 PM
4-Nitroaniline	ND	20		µg/L	1	6/24/2011 3:44:08 PM
Nitrobenzene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2-Nitrophenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
4-Nitrophenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Pentachlorophenol	ND	20		µg/L	1	6/24/2011 3:44:08 PM

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Lab ID:	1106758-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Phenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Pyrene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Pyridine	ND	10		µg/L	1	6/24/2011 3:44:08 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/24/2011 3:44:08 PM
Surr: 2,4,6-Tribromophenol	36.3	14.4-140		%REC	1	6/24/2011 3:44:08 PM
Surr: 2-Fluorobiphenyl	34.2	31.2-116		%REC	1	6/24/2011 3:44:08 PM
Surr: 2-Fluorophenol	27.8	11.8-102		%REC	1	6/24/2011 3:44:08 PM
Surr: 4-Terphenyl-d14	40.7	19.1-132		%REC	1	6/24/2011 3:44:08 PM
Surr: Nitrobenzene-d5	36.9	21.3-126		%REC	1	6/24/2011 3:44:08 PM
Surr: Phenol-d5	22.8	13.7-82.2		%REC	1	6/24/2011 3:44:08 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Toluene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Naphthalene	ND	2.0		µg/L	1	6/20/2011 8:00:29 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2011 8:00:29 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2011 8:00:29 PM
Acetone	ND	10		µg/L	1	6/20/2011 8:00:29 PM
Bromobenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Bromoform	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Bromomethane	ND	3.0		µg/L	1	6/20/2011 8:00:29 PM
2-Butanone	ND	10		µg/L	1	6/20/2011 8:00:29 PM
Carbon disulfide	ND	10		µg/L	1	6/20/2011 8:00:29 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Chlorobenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Chloroethane	ND	2.0		µg/L	1	6/20/2011 8:00:29 PM
Chloroform	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Chloromethane	ND	3.0		µg/L	1	6/20/2011 8:00:29 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM

Qualifiers:

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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
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Lab ID:	1106758-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
cis-1,2-DCE	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/20/2011 8:00:29 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Dibromomethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/20/2011 8:00:29 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
2-Hexanone	ND	10		µg/L	1	6/20/2011 8:00:29 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/20/2011 8:00:29 PM
Methylene Chloride	ND	3.0		µg/L	1	6/20/2011 8:00:29 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Styrene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/20/2011 8:00:29 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/20/2011 8:00:29 PM
Vinyl chloride	ND	1.0		µg/L	1	6/20/2011 8:00:29 PM
Xylenes, Total	ND	1.5		µg/L	1	6/20/2011 8:00:29 PM

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EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: 1,2-Dichloroethane-d4	92.8	65.8-138		%REC	1	6/20/2011 8:00:29 PM
Surr: 4-Bromofluorobenzene	89.5	72.7-128		%REC	1	6/20/2011 8:00:29 PM
Surr: Dibromofluoromethane	89.9	69-135		%REC	1	6/20/2011 8:00:29 PM
Surr: Toluene-d8	98.8	86.1-134		%REC	1	6/20/2011 8:00:29 PM

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*	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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:58:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.8	1.0		mg/L	1	6/20/2011 11:06:35 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/20/2011 11:06:35 AM
Surr: DNOP	118	97.7-132		%REC	1	6/20/2011 11:06:35 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.97	0.25		mg/L	5	6/20/2011 7:07:31 PM
Surr: BFB	124	65.4-141		%REC	5	6/20/2011 7:07:31 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.4	0.50		mg/L	5	6/17/2011 5:51:50 AM
Chloride	380	10		mg/L	20	6/17/2011 6:03:04 AM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	6/17/2011 5:51:50 AM
Bromide	ND	2.0		mg/L	20	6/17/2011 6:03:04 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	6/17/2011 6:03:04 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	6/17/2011 5:51:50 AM
Sulfate	3.3	2.5		mg/L	5	6/17/2011 5:51:50 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	1.7	0.010		mg/L	5	6/29/2011 9:42:22 PM
Cadmium	ND	0.0020		mg/L	1	6/29/2011 10:28:15 PM
Calcium	85	1.0		mg/L	1	6/29/2011 10:28:15 PM
Chromium	ND	0.0060		mg/L	1	6/29/2011 10:28:15 PM
Copper	ND	0.0060		mg/L	1	6/29/2011 10:28:15 PM
Iron	3.2	0.10		mg/L	5	6/29/2011 9:42:22 PM
Lead	ND	0.0050		mg/L	1	6/29/2011 10:28:15 PM
Magnesium	17	1.0		mg/L	1	6/29/2011 10:28:15 PM
Manganese	1.3	0.010		mg/L	5	6/29/2011 9:42:22 PM
Potassium	ND	1.0		mg/L	1	6/29/2011 10:28:15 PM
Silver	ND	0.0050		mg/L	1	6/29/2011 10:28:15 PM
Sodium	310	5.0		mg/L	5	6/29/2011 9:42:22 PM
Zinc	0.041	0.010		mg/L	1	6/29/2011 10:28:15 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	2.1	0.020		mg/L	10	6/28/2011 5:31:14 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2011 4:35:30 PM
Chromium	ND	0.0060		mg/L	1	6/27/2011 4:35:30 PM
Copper	ND	0.0060		mg/L	1	6/27/2011 4:35:30 PM
Iron	5.4	0.20		mg/L	10	6/28/2011 5:31:14 PM
Lead	ND	0.0050		mg/L	1	6/27/2011 4:35:30 PM
Manganese	1.5	0.020		mg/L	10	6/28/2011 5:31:14 PM

Qualifiers:

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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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:58:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Silver	ND	0.0050		mg/L	1	6/27/2011 4:35:30 PM
Zinc	ND	0.010		mg/L	1	6/28/2011 5:28:28 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.012	0.0010		mg/L	1	7/1/2011 6:15:46 PM
Selenium	0.0095	0.0010		mg/L	1	7/1/2011 6:15:46 PM
Uranium	ND	0.0010		mg/L	1	7/5/2011 12:05:37 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.012	0.0025		mg/L	2.5	6/21/2011 5:45:53 PM
Selenium	0.0063	0.0025		mg/L	2.5	6/21/2011 5:45:53 PM
Uranium	ND	0.0025		mg/L	2.5	6/21/2011 5:45:53 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/17/2011 1:10:08 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Acenaphthylene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Aniline	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Anthracene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Azobenzene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Benz(a)anthracene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Benzo(a)pyrene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Benzoic acid	ND	20		µg/L	1	6/24/2011 4:14:22 PM
Benzyl alcohol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/24/2011 4:14:22 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Butyl benzyl phthalate	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Carbazole	ND	10		µg/L	1	6/24/2011 4:14:22 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
4-Chloroaniline	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2-Chloronaphthalene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2-Chlorophenol	ND	10		µg/L	1	6/24/2011 4:14:22 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:58:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Chrysene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Di-n-butyl phthalate	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Di-n-octyl phthalate	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Dibenzofuran	ND	10		µg/L	1	6/24/2011 4:14:22 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Diethyl phthalate	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Dimethyl phthalate	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2,4-Dichlorophenol	ND	20		µg/L	1	6/24/2011 4:14:22 PM
2,4-Dimethylphenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/24/2011 4:14:22 PM
2,4-Dinitrophenol	ND	20		µg/L	1	6/24/2011 4:14:22 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Fluoranthene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Fluorene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Hexachlorobenzene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Hexachlorobutadiene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Hexachloroethane	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Isophorone	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2-Methylnaphthalene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2-Methylphenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
3+4-Methylphenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	6/24/2011 4:14:22 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	6/24/2011 4:14:22 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Naphthalene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2-Nitroaniline	ND	10		µg/L	1	6/24/2011 4:14:22 PM
3-Nitroaniline	ND	10		µg/L	1	6/24/2011 4:14:22 PM
4-Nitroaniline	ND	20		µg/L	1	6/24/2011 4:14:22 PM
Nitrobenzene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2-Nitrophenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
4-Nitrophenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Pentachlorophenol	ND	20		µg/L	1	6/24/2011 4:14:22 PM

Qualifiers:

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NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:58:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Phenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Pyrene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Pyridine	ND	10		µg/L	1	6/24/2011 4:14:22 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/24/2011 4:14:22 PM
Surr: 2,4,6-Tribromophenol	63.3	14.4-140		%REC	1	6/24/2011 4:14:22 PM
Surr: 2-Fluorobiphenyl	65.6	31.2-116		%REC	1	6/24/2011 4:14:22 PM
Surr: 2-Fluorophenol	48.7	11.8-102		%REC	1	6/24/2011 4:14:22 PM
Surr: 4-Terphenyl-d14	60.6	19.1-132		%REC	1	6/24/2011 4:14:22 PM
Surr: Nitrobenzene-d5	65.2	21.3-126		%REC	1	6/24/2011 4:14:22 PM
Surr: Phenol-d5	38.0	13.7-82.2		%REC	1	6/24/2011 4:14:22 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	27	5.0		µg/L	5	6/20/2011 9:25:04 PM
Toluene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Ethylbenzene	18	5.0		µg/L	5	6/20/2011 9:25:04 PM
Methyl tert-butyl ether (MTBE)	280	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Naphthalene	ND	10		µg/L	5	6/20/2011 9:25:04 PM
1-Methylnaphthalene	ND	20		µg/L	5	6/20/2011 9:25:04 PM
2-Methylnaphthalene	ND	20		µg/L	5	6/20/2011 9:25:04 PM
Acetone	ND	50		µg/L	5	6/20/2011 9:25:04 PM
Bromobenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Bromodichloromethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Bromoform	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Bromomethane	ND	15		µg/L	5	6/20/2011 9:25:04 PM
2-Butanone	ND	50		µg/L	5	6/20/2011 9:25:04 PM
Carbon disulfide	ND	50		µg/L	5	6/20/2011 9:25:04 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Chlorobenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Chloroethane	ND	10		µg/L	5	6/20/2011 9:25:04 PM
Chloroform	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Chloromethane	ND	15		µg/L	5	6/20/2011 9:25:04 PM
2-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
4-Chlorotoluene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM

Qualifiers:

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- E Estimated value
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- 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:58:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
cis-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/20/2011 9:25:04 PM
Dibromochloromethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Dibromomethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,1-Dichloroethane	5.0	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
2,2-Dichloropropane	ND	10		µg/L	5	6/20/2011 9:25:04 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
2-Hexanone	ND	50		µg/L	5	6/20/2011 9:25:04 PM
Isopropylbenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/20/2011 9:25:04 PM
Methylene Chloride	ND	15		µg/L	5	6/20/2011 9:25:04 PM
n-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
n-Propylbenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
sec-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Styrene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
tert-Butylbenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/20/2011 9:25:04 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
trans-1,2-DCE	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/20/2011 9:25:04 PM
Vinyl chloride	ND	5.0		µg/L	5	6/20/2011 9:25:04 PM
Xylenes, Total	ND	7.5		µg/L	5	6/20/2011 9:25:04 PM

Qualifiers:

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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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:58:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: 1,2-Dichloroethane-d4	91.0	65.8-138		%REC	5	6/20/2011 9:25:04 PM
Surr: 4-Bromofluorobenzene	89.1	72.7-128		%REC	5	6/20/2011 9:25:04 PM
Surr: Dibromofluoromethane	88.6	69-135		%REC	5	6/20/2011 9:25:04 PM
Surr: Toluene-d8	94.8	86.1-134		%REC	5	6/20/2011 9:25:04 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
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/19/2011 12:29:40 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/19/2011 12:29:40 AM
Surr: DNOP	120	97.7-132		%REC	1	6/19/2011 12:29:40 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/20/2011 7:36:23 PM
Surr: BFB	106	66.4-141		%REC	1	6/20/2011 7:36:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.5	0.50		mg/L	5	6/17/2011 2:18:27 AM
Chloride	530	25		mg/L	50	6/23/2011 4:46:42 AM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	6/17/2011 2:18:27 AM
Bromide	2.3	0.50		mg/L	5	6/17/2011 2:18:27 AM
Nitrogen, Nitrate (As N)	3.5	0.50		mg/L	5	6/17/2011 2:18:27 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	6/17/2011 2:18:27 AM
Sulfate	170	2.5		mg/L	5	6/17/2011 2:18:27 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.17	0.0020		mg/L	1	6/29/2011 10:31:03 PM
Cadmium	ND	0.0020		mg/L	1	6/29/2011 10:31:03 PM
Calcium	98	1.0		mg/L	1	6/29/2011 10:31:03 PM
Chromium	ND	0.0060		mg/L	1	6/29/2011 10:31:03 PM
Copper	ND	0.0060		mg/L	1	6/29/2011 10:31:03 PM
Iron	0.057	0.020		mg/L	1	6/29/2011 10:31:03 PM
Lead	ND	0.0050		mg/L	1	6/29/2011 10:31:03 PM
Magnesium	17	1.0		mg/L	1	6/29/2011 10:31:03 PM
Manganese	0.92	0.0020		mg/L	1	6/29/2011 10:31:03 PM
Potassium	1.4	1.0		mg/L	1	6/29/2011 10:31:03 PM
Silver	ND	0.0050		mg/L	1	6/29/2011 10:31:03 PM
Sodium	490	5.0		mg/L	5	6/29/2011 9:45:45 PM
Zinc	0.27	0.010		mg/L	1	6/29/2011 10:31:03 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.20	0.0020		mg/L	1	6/27/2011 4:43:12 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2011 4:43:12 PM
Chromium	ND	0.0060		mg/L	1	6/27/2011 4:43:12 PM
Copper	ND	0.0060		mg/L	1	6/27/2011 4:43:12 PM
Iron	0.72	0.020		mg/L	1	6/27/2011 4:43:12 PM
Lead	ND	0.0050		mg/L	1	6/27/2011 4:43:12 PM
Manganese	1.0	0.010		mg/L	5	6/29/2011 3:19:29 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
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: *07-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Silver	ND	0.0050		mg/L	1	6/27/2011 4:43:12 PM
Zinc	ND	0.010		mg/L	1	6/28/2011 5:46:23 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0085	0.0050		mg/L	5	7/1/2011 6:26:53 PM
Selenium	0.019	0.0050		mg/L	5	7/1/2011 6:26:53 PM
Uranium	0.013	0.0050		mg/L	5	7/5/2011 12:18:21 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0070	0.0025		mg/L	2.5	6/21/2011 5:49:36 PM
Selenium	0.012	0.0025		mg/L	2.5	6/21/2011 5:49:36 PM
Uranium	0.013	0.0025		mg/L	2.5	6/21/2011 5:49:36 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/17/2011 1:15:36 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Acenaphthylene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Aniline	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Anthracene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Azobenzene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Benz(a)anthracene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Benzo(a)pyrene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Benzoic acid	ND	20		µg/L	1	6/24/2011 4:44:33 PM
Benzyl alcohol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/24/2011 4:44:33 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Butyl benzyl phthalate	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Carbazole	ND	10		µg/L	1	6/24/2011 4:44:33 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
4-Chloroaniline	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2-Chloronaphthalene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2-Chlorophenol	ND	10		µg/L	1	6/24/2011 4:44:33 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Chrysene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Di-n-butyl phthalate	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Di-n-octyl phthalate	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Dibenzofuran	ND	10		µg/L	1	6/24/2011 4:44:33 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Diethyl phthalate	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Dimethyl phthalate	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2,4-Dichlorophenol	ND	20		µg/L	1	6/24/2011 4:44:33 PM
2,4-Dimethylphenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/24/2011 4:44:33 PM
2,4-Dinitrophenol	ND	20		µg/L	1	6/24/2011 4:44:33 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Fluoranthene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Fluorene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Hexachlorobenzene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Hexachlorobutadiene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Hexachloroethane	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Isophorone	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2-Methylnaphthalene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2-Methylphenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
3+4-Methylphenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	6/24/2011 4:44:33 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	6/24/2011 4:44:33 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Naphthalene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2-Nitroaniline	ND	10		µg/L	1	6/24/2011 4:44:33 PM
3-Nitroaniline	ND	10		µg/L	1	6/24/2011 4:44:33 PM
4-Nitroaniline	ND	20		µg/L	1	6/24/2011 4:44:33 PM
Nitrobenzene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2-Nitrophenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
4-Nitrophenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Pentachlorophenol	ND	20		µg/L	1	6/24/2011 4:44:33 PM

Qualifiers:

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- 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Phenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Pyrene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Pyridine	ND	10		µg/L	1	6/24/2011 4:44:33 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/24/2011 4:44:33 PM
Surr: 2,4,6-Tribromophenol	64.1	14.4-140		%REC	1	6/24/2011 4:44:33 PM
Surr: 2-Fluorobiphenyl	57.7	31.2-116		%REC	1	6/24/2011 4:44:33 PM
Surr: 2-Fluorophenol	46.2	11.8-102		%REC	1	6/24/2011 4:44:33 PM
Surr: 4-Terphenyl-d14	66.9	19.1-132		%REC	1	6/24/2011 4:44:33 PM
Surr: Nitrobenzene-d5	60.3	21.3-126		%REC	1	6/24/2011 4:44:33 PM
Surr: Phenol-d5	36.0	13.7-82.2		%REC	1	6/24/2011 4:44:33 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Toluene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Ethylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Naphthalene	ND	2.0		µg/L	1	6/21/2011 5:04:24 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 5:04:24 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 5:04:24 PM
Acetone	ND	10		µg/L	1	6/21/2011 5:04:24 PM
Bromobenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Bromoform	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Bromomethane	ND	3.0		µg/L	1	6/21/2011 5:04:24 PM
2-Butanone	ND	10		µg/L	1	6/21/2011 5:04:24 PM
Carbon disulfide	ND	10		µg/L	1	6/21/2011 5:04:24 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Chlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Chloroethane	ND	2.0		µg/L	1	6/21/2011 5:04:24 PM
Chloroform	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Chloromethane	ND	3.0		µg/L	1	6/21/2011 5:04:24 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 5:04:24 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
- 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
cis-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/21/2011 5:04:24 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Dibromomethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/21/2011 5:04:24 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
2-Hexanone	ND	10		µg/L	1	6/21/2011 5:04:24 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/21/2011 5:04:24 PM
Methylene Chloride	ND	3.0		µg/L	1	6/21/2011 5:04:24 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Styrene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/21/2011 5:04:24 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/21/2011 5:04:24 PM
Vinyl chloride	ND	1.0		µg/L	1	6/21/2011 5:04:24 PM
Xylenes, Total	ND	1.5		µg/L	1	6/21/2011 5:04:24 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: 1,2-Dichloroethane-d4	93.0	65.8-138		%REC	1	6/21/2011 5:04:24 PM
Surr: 4-Bromofluorobenzene	101	72.7-128		%REC	1	6/21/2011 5:04:24 PM
Surr: Dibromofluoromethane	86.9	69-135		%REC	1	6/21/2011 5:04:24 PM
Surr: Toluene-d8	100	86.1-134		%REC	1	6/21/2011 5:04:24 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
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/19/2011 1:03:49 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/19/2011 1:03:49 AM
Surr: DNOP	120	97.7-132		%REC	1	6/19/2011 1:03:49 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.25		mg/L	5	6/20/2011 8:05:16 PM
Surr: BFB	107	65.4-141		%REC	5	6/20/2011 8:05:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.51	0.50		mg/L	5	6/17/2011 1:55:59 AM
Chloride	970	50		mg/L	100	6/23/2011 4:57:55 AM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	6/17/2011 1:55:59 AM
Bromide	4.5	0.50		mg/L	5	6/17/2011 1:55:59 AM
Nitrogen, Nitrate (As N)	18	0.50		mg/L	5	6/17/2011 1:55:59 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	6/17/2011 1:55:59 AM
Sulfate	370	10		mg/L	20	6/17/2011 2:07:13 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.063	0.0020		mg/L	1	6/29/2011 10:36:08 PM
Cadmium	ND	0.0020		mg/L	1	6/29/2011 10:36:08 PM
Calcium	39	1.0		mg/L	1	6/29/2011 10:36:08 PM
Chromium	ND	0.0060		mg/L	1	6/29/2011 10:36:08 PM
Copper	ND	0.0060		mg/L	1	6/29/2011 10:36:08 PM
Iron	ND	0.020		mg/L	1	6/29/2011 10:36:08 PM
Lead	ND	0.0050		mg/L	1	6/29/2011 10:36:08 PM
Magnesium	6.7	1.0		mg/L	1	6/29/2011 10:36:08 PM
Manganese	0.0026	0.0020		mg/L	1	6/29/2011 10:36:08 PM
Potassium	3.8	1.0		mg/L	1	6/29/2011 10:36:08 PM
Silver	ND	0.0050		mg/L	1	6/29/2011 10:36:08 PM
Sodium	940	20		mg/L	20	6/30/2011 7:20:02 PM
Zinc	0.044	0.010		mg/L	1	6/29/2011 10:36:08 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.22	0.0020		mg/L	1	6/27/2011 4:49:46 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2011 4:49:46 PM
Chromium	0.028	0.0060		mg/L	1	6/27/2011 4:49:46 PM
Copper	ND	0.0060		mg/L	1	6/27/2011 4:49:46 PM
Iron	9.4	0.20		mg/L	10	6/28/2011 5:57:49 PM
Lead	0.014	0.0050		mg/L	1	6/28/2011 5:54:54 PM
Manganese	0.16	0.0020		mg/L	1	6/27/2011 4:49:46 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: *07-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Silver	ND	0.0050		mg/L	1	6/27/2011 4:49:46 PM
Zinc	0.32	0.010		mg/L	1	6/28/2011 5:54:54 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.010	0.0050		mg/L	5	7/1/2011 6:34:18 PM
Selenium	0.042	0.0050		mg/L	5	7/1/2011 6:34:18 PM
Uranium	0.034	0.0050		mg/L	5	7/5/2011 12:21:33 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0089	0.0025		mg/L	2.5	6/21/2011 5:53:20 PM
Selenium	0.030	0.0025		mg/L	2.5	6/21/2011 5:53:20 PM
Uranium	0.035	0.0025		mg/L	2.5	6/21/2011 5:53:20 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/17/2011 1:17:22 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Acenaphthylene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Aniline	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Anthracene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Azobenzene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Benz(a)anthracene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Benzo(a)pyrene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Benzoic acid	ND	20		µg/L	1	6/24/2011 5:14:40 PM
Benzyl alcohol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/24/2011 5:14:40 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Butyl benzyl phthalate	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Carbazole	ND	10		µg/L	1	6/24/2011 5:14:40 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
4-Chloroaniline	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2-Chloronaphthalene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2-Chlorophenol	ND	10		µg/L	1	6/24/2011 5:14:40 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Chrysene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Di-n-butyl phthalate	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Di-n-octyl phthalate	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Dibenzofuran	ND	10		µg/L	1	6/24/2011 5:14:40 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Diethyl phthalate	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Dimethyl phthalate	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2,4-Dichlorophenol	ND	20		µg/L	1	6/24/2011 5:14:40 PM
2,4-Dimethylphenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/24/2011 5:14:40 PM
2,4-Dinitrophenol	ND	20		µg/L	1	6/24/2011 5:14:40 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Fluoranthene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Fluorene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Hexachlorobenzene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Hexachlorobutadiene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Hexachloroethane	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Isophorone	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2-Methylnaphthalene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2-Methylphenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
3+4-Methylphenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	6/24/2011 5:14:40 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	6/24/2011 5:14:40 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Naphthalene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2-Nitroaniline	ND	10		µg/L	1	6/24/2011 5:14:40 PM
3-Nitroaniline	ND	10		µg/L	1	6/24/2011 5:14:40 PM
4-Nitroaniline	ND	20		µg/L	1	6/24/2011 5:14:40 PM
Nitrobenzene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2-Nitrophenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
4-Nitrophenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Pentachlorophenol	ND	20		µg/L	1	6/24/2011 5:14:40 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Phenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Pyrene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Pyridine	ND	10		µg/L	1	6/24/2011 5:14:40 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/24/2011 5:14:40 PM
Surr: 2,4,6-Tribromophenol	59.8	14.4-140		%REC	1	6/24/2011 5:14:40 PM
Surr: 2-Fluorobiphenyl	56.1	31.2-116		%REC	1	6/24/2011 5:14:40 PM
Surr: 2-Fluorophenol	49.2	11.8-102		%REC	1	6/24/2011 5:14:40 PM
Surr: 4-Terphenyl-d14	63.8	19.1-132		%REC	1	6/24/2011 5:14:40 PM
Surr: Nitrobenzene-d5	65.9	21.3-126		%REC	1	6/24/2011 5:14:40 PM
Surr: Phenol-d5	36.2	13.7-82.2		%REC	1	6/24/2011 5:14:40 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Toluene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Ethylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Methyl tert-butyl ether (MTBE)	77	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Naphthalene	ND	2.0		µg/L	1	6/21/2011 3:10:48 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 3:10:48 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 3:10:48 PM
Acetone	ND	10		µg/L	1	6/21/2011 3:10:48 PM
Bromobenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Bromoform	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Bromomethane	ND	3.0		µg/L	1	6/21/2011 3:10:48 PM
2-Butanone	ND	10		µg/L	1	6/21/2011 3:10:48 PM
Carbon disulfide	ND	10		µg/L	1	6/21/2011 3:10:48 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Chlorobenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Chloroethane	ND	2.0		µg/L	1	6/21/2011 3:10:48 PM
Chloroform	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Chloromethane	ND	3.0		µg/L	1	6/21/2011 3:10:48 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 3:10:48 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
cis-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/21/2011 3:10:48 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Dibromomethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/21/2011 3:10:48 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
2-Hexanone	ND	10		µg/L	1	6/21/2011 3:10:48 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/21/2011 3:10:48 PM
Methylene Chloride	ND	3.0		µg/L	1	6/21/2011 3:10:48 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Styrene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/21/2011 3:10:48 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/21/2011 3:10:48 PM
Vinyl chloride	ND	1.0		µg/L	1	6/21/2011 3:10:48 PM
Xylenes, Total	ND	1.5		µg/L	1	6/21/2011 3:10:48 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1106758	**Collection Date:**	6/15/2011 9:30:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: 1,2-Dichloroethane-d4	87.7	65.8-138		%REC	1	6/21/2011 3:10:48 PM
Surr: 4-Bromofluorobenzene	90.9	72.7-128		%REC	1	6/21/2011 3:10:48 PM
Surr: Dibromofluoromethane	85.0	69-135		%REC	1	6/21/2011 3:10:48 PM
Surr: Toluene-d8	99.5	86.1-134		%REC	1	6/21/2011 3:10:48 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1106758	**Collection Date:**	6/15/2011 8:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Toluene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Naphthalene	ND	2.0		µg/L	1	6/20/2011 11:45:56 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2011 11:45:56 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2011 11:45:56 PM
Acetone	ND	10		µg/L	1	6/20/2011 11:45:56 PM
Bromobenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Bromoform	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Bromomethane	ND	3.0		µg/L	1	6/20/2011 11:45:56 PM
2-Butanone	ND	10		µg/L	1	6/20/2011 11:45:56 PM
Carbon disulfide	ND	10		µg/L	1	6/20/2011 11:45:56 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Chlorobenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Chloroethane	ND	2.0		µg/L	1	6/20/2011 11:45:56 PM
Chloroform	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Chloromethane	ND	3.0		µg/L	1	6/20/2011 11:45:56 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/20/2011 11:45:56 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Dibromomethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/20/2011 11:45:56 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/20/2011 11:45:56 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1106758	**Collection Date:**	6/15/2011 8:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
2-Hexanone	ND	10		µg/L	1	6/20/2011 11:45:56 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/20/2011 11:45:56 PM
Methylene Chloride	ND	3.0		µg/L	1	6/20/2011 11:45:56 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Styrene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/20/2011 11:45:56 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/20/2011 11:45:56 PM
Vinyl chloride	ND	1.0		µg/L	1	6/20/2011 11:45:56 PM
Xylenes, Total	ND	1.5		µg/L	1	6/20/2011 11:45:56 PM
Surr: 1,2-Dichloroethane-d4	92.2	65.8-138		%REC	1	6/20/2011 11:45:56 PM
Surr: 4-Bromofluorobenzene	96.8	72.7-128		%REC	1	6/20/2011 11:45:56 PM
Surr: Dibromofluoromethane	88.9	69-135		%REC	1	6/20/2011 11:45:56 PM
Surr: Toluene-d8	98.7	86.1-134		%REC	1	6/20/2011 11:45:56 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1106758	**Collection Date:**	
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Toluene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Ethylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Naphthalene	ND	2.0		µg/L	1	6/21/2011 12:14:05 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 12:14:05 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 12:14:05 AM
Acetone	ND	10		µg/L	1	6/21/2011 12:14:05 AM
Bromobenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Bromoform	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Bromomethane	ND	3.0		µg/L	1	6/21/2011 12:14:05 AM
2-Butanone	ND	10		µg/L	1	6/21/2011 12:14:05 AM
Carbon disulfide	ND	10		µg/L	1	6/21/2011 12:14:05 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Chlorobenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Chloroethane	ND	2.0		µg/L	1	6/21/2011 12:14:05 AM
Chloroform	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Chloromethane	ND	3.0		µg/L	1	6/21/2011 12:14:05 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/21/2011 12:14:05 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Dibromomethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/21/2011 12:14:05 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 12:14:05 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
- 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1106758	**Collection Date:**	
Project:	2nd QTR 2011	**Date Received:**	6/16/2011
Lab ID:	1106758-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
2-Hexanone	ND	10		µg/L	1	6/21/2011 12:14:05 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/21/2011 12:14:05 AM
Methylene Chloride	ND	3.0		µg/L	1	6/21/2011 12:14:05 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Styrene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/21/2011 12:14:05 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/21/2011 12:14:05 AM
Vinyl chloride	ND	1.0		µg/L	1	6/21/2011 12:14:05 AM
Xylenes, Total	ND	1.5		µg/L	1	6/21/2011 12:14:05 AM
Surr: 1,2-Dichloroethane-d4	90.0	65.8-138		%REC	1	6/21/2011 12:14:05 AM
Surr: 4-Bromofluorobenzene	95.0	72.7-128		%REC	1	6/21/2011 12:14:05 AM
Surr: Dibromofluoromethane	84.8	69-135		%REC	1	6/21/2011 12:14:05 AM
Surr: Toluene-d8	99.4	86.1-134		%REC	1	6/21/2011 12:14:05 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
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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-27274		*MBLK*				**Batch ID: 27274**		**Analysis Date: 6/27/2011 12:41:06 PM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-27274		*LCS*				**Batch ID: 27274**		**Analysis Date: 6/27/2011 12:44:17 PM**			
Arsenic	0.5672	mg/L	0.020	0.5	0.0063	112	85	115			
Barium	0.5377	mg/L	0.0020	0.5	0	108	85	115			
Cadmium	0.5364	mg/L	0.0020	0.5	0	107	85	115			
Chromium	0.5537	mg/L	0.0060	0.5	0	111	85	115			
Copper	0.5561	mg/L	0.0060	0.5	0	111	85	115			
Iron	0.5295	mg/L	0.020	0.5	0	106	85	115			
	0.5330	mg/L	0.0050	0.5	0	107	85	115			
nese	0.5396	mg/L	0.0020	0.5	0	108	85	115			
Selenium	0.5533	mg/L	0.050	0.5	0	111	85	115			
Silver	0.1095	mg/L	0.0050	0.1	0	109	85	115			
Zinc	0.5609	mg/L	0.010	0.5	0	112	85	115			

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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R46231**		Analysis Date:	6/29/2011 3:04:33 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46231**		Analysis Date:	6/29/2011 3:12:49 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 3:53:15 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 4:03:12 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								

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

C t: Western Refining Southwest, Gallup
t: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R46268**		**Analysis Date:**	**6/30/2011 4:03:12 PM**		
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				**Batch ID: R46231**		**Analysis Date:**	**6/29/2011 3:09:24 PM**		
Barium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Calcium	53.18	mg/L	1.0	50.5	0.0247	105	85	115			
Chromium	0.5155	mg/L	0.0060	0.5	0	103	85	115			
Copper	0.4945	mg/L	0.0060	0.5	0	98.9	85	115			
Iron	0.5010	mg/L	0.020	0.5	0	100	85	115			
Le	0.5095	mg/L	0.0050	0.5	0	102	85	115			
M ium	50.86	mg/L	1.0	50.5	0.0229	101	85	115			
Manganese	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Potassium	48.58	mg/L	1.0	55	0	88.3	85	115			
Silver	0.09939	mg/L	0.0050	0.1	0	99.4	85	115			
Sodium	49.03	mg/L	1.0	50.5	0	97.1	85	115			
Zinc	0.5436	mg/L	0.010	0.5	0	109	85	115			
Sample ID: LCS		*LCS*				**Batch ID: R46268**		**Analysis Date:**	**6/30/2011 3:57:35 PM**		
Barium	0.4917	mg/L	0.0020	0.5	0	98.3	85	115			
Cadmium	0.4893	mg/L	0.0020	0.5	0.0002	97.8	85	115			
Calcium	49.31	mg/L	1.0	50.5	0	97.6	85	115			
Chromium	0.5035	mg/L	0.0060	0.5	0.0004	101	85	115			
Copper	0.5183	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4853	mg/L	0.020	0.5	0	97.1	85	115			
Lead	0.4840	mg/L	0.0050	0.5	0	96.8	85	115			
Magnesium	50.23	mg/L	1.0	50.5	0	99.5	85	115			
Manganese	0.4945	mg/L	0.0020	0.5	0	98.9	85	115			
Potassium	49.17	mg/L	1.0	55	0	89.4	85	115			
Silver	0.1013	mg/L	0.0050	0.1	0	101	85	115			
Sodium	49.83	mg/L	1.0	50.5	0	98.7	85	115			
Zinc	0.5066	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS		*LCS*				**Batch ID: R46268**		**Analysis Date:**	**6/30/2011 4:07:30 PM**		
Barium	0.4948	mg/L	0.0020	0.5	0	99.0	85	115			
Cadmium	0.4921	mg/L	0.0020	0.5	0.0003	98.4	85	115			
Calcium	50.31	mg/L	1.0	50.5	0	99.6	85	115			
Chromium	0.5124	mg/L	0.0060	0.5	0	102	85	115			

Q ers:

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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 4:07:30 PM		
Copper	0.5163	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4890	mg/L	0.020	0.5	0	97.8	85	115			
Lead	0.4890	mg/L	0.0050	0.5	0.0018	97.4	85	115			
Magnesium	50.83	mg/L	1.0	50.5	0	101	85	115			
Manganese	0.4972	mg/L	0.0020	0.5	0	99.4	85	115			
Potassium	49.78	mg/L	1.0	55	0	90.5	85	115			
Silver	0.1023	mg/L	0.0050	0.1	0	102	85	115			
Sodium	50.39	mg/L	1.0	50.5	0	99.8	85	115			
Zinc	0.5188	mg/L	0.010	0.5	0	104	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:44:02 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:40:13 AM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:47:45 PM		
Arsenic	0.02521	mg/L	0.0010	0.025	0	101	85	115			
Selenium	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Uranium	0.02391	mg/L	0.0010	0.025	0	95.6	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:43:23 AM		
Uranium	0.02725	mg/L	0.0010	0.025	0	109	85	115			
Sample ID: 1106758-02EMS		*MS*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 6:19:28 PM		
Arsenic	0.04057	mg/L	0.0010	0.025	0.0119	115	70	130			
Selenium	0.03960	mg/L	0.0010	0.025	0.0095	120	70	130			
Sample ID: 1106758-02EMS		*MS*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 12:08:48 PM		
Uranium	0.02642	mg/L	0.0010	0.025	0.0002	105	70	130			
Method: EPA 200.8: Metals											
Sample ID: MB-27274		*MBLK*				Batch ID:	**27274**	Analysis Date:	6/21/2011 4:12:53 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Method: EPA Method 245.1: Mercury											
Sample ID: MB-27250		*MBLK*				Batch ID:	**27250**	Analysis Date:	6/17/2011 12:32:27 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-27250		*LCS*				Batch ID:	**27250**	Analysis Date:	6/17/2011 12:34:11 PM		
Mercury	0.004930	mg/L	0.00020	0.005	0	98.6	80	120			

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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R45990**		Analysis Date:	6/16/2011 9:16:28 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R45990**		Analysis Date:	6/16/2011 7:34:05 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R45990**		Analysis Date:	6/17/2011 6:25:32 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
horus, Orthophosphate (As P)	ND	mg/L	0.50								
	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R46093**		Analysis Date:	6/22/2011 11:33:28 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R46093**		Analysis Date:	6/22/2011 11:32:14 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R45990**		Analysis Date:	6/16/2011 9:27:42 AM		
Fluoride	0.5146	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.916	mg/L	0.50	5	0	98.3	90	110			
Nitrogen, Nitrite (As N)	0.9935	mg/L	0.10	1	0	99.4	90	110			
Bromide	2.539	mg/L	0.10	2.5	0	102	90	110			
Nitrogen, Nitrate (As N)	2.538	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.051	mg/L	0.50	5	0	101	90	110			

ifiers:

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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:		6/16/2011 9:27:42 AM	
Sulfate	9.940	mg/L	0.50	10	0	99.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:		6/16/2011 7:45:19 PM	
Fluoride	0.4778	mg/L	0.10	0.5	0	95.6	90	110			
Chloride	4.560	mg/L	0.50	5	0	91.2	90	110			
Nitrogen, Nitrite (As N)	0.9253	mg/L	0.10	1	0	92.5	90	110			
Bromide	2.338	mg/L	0.10	2.5	0	93.5	90	110			
Nitrogen, Nitrate (As N)	2.340	mg/L	0.10	2.5	0	93.6	90	110			
Phosphorus, Orthophosphate (As P)	4.681	mg/L	0.50	5	0	93.6	90	110			
Sulfate	9.161	mg/L	0.50	10	0	91.6	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:		6/17/2011 6:36:46 AM	
Fluoride	0.4842	mg/L	0.10	0.5	0	96.8	90	110			
Chloride	4.584	mg/L	0.50	5	0	91.7	90	110			
Phosphorus, Orthophosphate (As P)	4.673	mg/L	0.50	5	0	93.5	90	110			
Sulfate	9.179	mg/L	0.50	10	0	91.8	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R46093**	Analysis Date:		6/22/2011 11:44:42 AM	
Fluoride	0.4779	mg/L	0.10	0.5	0	95.6	90	110			
Chloride	4.701	mg/L	0.50	5	0	94.0	90	110			
Nitrogen, Nitrite (As N)	0.9463	mg/L	0.10	1	0	94.6	90	110			
Bromide	2.369	mg/L	0.10	2.5	0	94.7	90	110			
Nitrogen, Nitrate (As N)	2.413	mg/L	0.10	2.5	0	96.5	90	110			
Phosphorus, Orthophosphate (As P)	4.714	mg/L	0.50	5	0	94.3	90	110			
Sulfate	9.517	mg/L	0.50	10	0	95.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R46093**	Analysis Date:		6/22/2011 11:43:28 PM	
Fluoride	0.5072	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.757	mg/L	0.50	5	0	95.1	90	110			
Nitrogen, Nitrite (As N)	0.9445	mg/L	0.10	1	0	94.5	90	110			
Bromide	2.315	mg/L	0.10	2.5	0	92.6	90	110			
Nitrogen, Nitrate (As N)	2.437	mg/L	0.10	2.5	0	97.5	90	110			
Phosphorus, Orthophosphate (As P)	4.920	mg/L	0.50	5	0	98.4	90	110			
Sulfate	9.713	mg/L	0.50	10	0	97.1	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-27248		*MBLK*				Batch ID:	**27248**	Analysis Date:		6/18/2011 7:55:02 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-27248		*LCS*				Batch ID:	**27248**	Analysis Date:		6/19/2011 5:44:59 PM	
Diesel Range Organics (DRO)	6.109	mg/L	1.0	5	0	122	74	157			
Sample ID: LCSD-27248		*LCSD*				Batch ID:	**27248**	Analysis Date:		6/18/2011 9:04:23 PM	
Diesel Range Organics (DRO)	6.596	mg/L	1.0	5	0	132	74	157	7.66	23	

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

Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				**Batch ID: R46033**		**Analysis Date: 6/20/2011 10:23:05 AM**			
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				**Batch ID: R46033**		**Analysis Date: 6/20/2011 12:18:52 PM**			
Gasoline Range Organics (GRO)	0.5096	mg/L	0.050	0.5	0	102	81.8	120			

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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1106758-01a msd		*MSD*				Batch ID:	R46044	Analysis Date:		6/20/2011 8:56:58 PM	
Benzene	19.90	µg/L	1.0	20	0	99.5	82	118	0.388	17.1	
Toluene	21.76	µg/L	1.0	20	0	109	81.1	122	6.60	16.1	
Chlorobenzene	21.48	µg/L	1.0	20	0	107	78.8	114	0.492	15.5	
1,1-Dichloroethene	20.87	µg/L	1.0	20	0	104	89	126	5.03	15.8	
Trichloroethene (TCE)	18.23	µg/L	1.0	20	0	91.2	73.9	114	4.30	19.6	
Sample ID: b3		*MBLK*				Batch ID:	R46044	Analysis Date:		6/20/2011 12:28:49 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

E	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

C Western Refining Southwest, Gallup
P. .t: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				Batch ID: **R46044**		Analysis Date:	6/20/2011 12:28:49 PM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1.[illegible]Trichlorobenzene	ND	µg/L	1.0								
1[illegible]ichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*				Batch ID: **R46082**		Analysis Date:	6/21/2011 1:17:37 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								

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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*									
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Batch ID: R46062 Analysis Date: 6/21/2011 1:17:37 PM

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

t: Western Refining Southwest, Gallup
ct: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID:	**R46062**	Analysis Date:	6/21/2011 1:17:37 PM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R46044**	Analysis Date:	6/20/2011 12:00:40 PM		
Benzene	20.59	µg/L	1.0	20	0	103	81.1	130			
Toluene	22.36	µg/L	1.0	20	0	112	82.3	122			
Chlorobenzene	21.45	µg/L	1.0	20	0	107	70	130			
1,1-Dichloroethene	21.53	µg/L	1.0	20	0	108	83.1	126			
Trichloroethene (TCE)	18.14	µg/L	1.0	20	0	90.7	67.4	137			
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R46062**	Analysis Date:	6/21/2011 12:49:27 PM		
Benzene	21.54	µg/L	1.0	20	0	108	81.1	130			
Toluene	21.93	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	21.82	µg/L	1.0	20	0	109	70	130			
1,1-Dichloroethene	21.79	µg/L	1.0	20	0	109	83.1	126			
Trichloroethene (TCE)	18.37	µg/L	1.0	20	0	91.9	67.4	137			
Sample ID: 1106758-01a ms		*MS*				Batch ID:	**R46044**	Analysis Date:	6/20/2011 8:28:40 PM		
ne	19.98	µg/L	1.0	20	0	99.9	82	118			
ene	23.25	µg/L	1.0	20	0	116	81.1	122			
Chlorobenzene	21.59	µg/L	1.0	20	0	108	78.8	114			
1,1-Dichloroethene	21.95	µg/L	1.0	20	0	110	89	126			
Trichloroethene (TCE)	19.03	µg/L	1.0	20	0	95.2	73.9	114			

lifiers:

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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27282		*MBLK*				**Batch ID: 27282**		**Analysis Date: 6/24/2011 12:12:34 PM**			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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: 2nd QTR 2011 Work Order: 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27282		*MBLK*				Batch ID: **27282**		Analysis Date: 6/24/2011 12:12:34 PM			
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pe rophenol	ND	µg/L	20								
Ph rene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-27282		*LCS*				Batch ID: **27282**		Analysis Date: 6/24/2011 12:42:24 PM			
Acenaphthene	80.56	µg/L	10	100	0	80.6	31.7	107			
4-Chloro-3-methylphenol	157.5	µg/L	10	200	0	78.7	24.4	123			
2-Chlorophenol	124.6	µg/L	10	200	0	62.3	24.7	104			
1,4-Dichlorobenzene	71.46	µg/L	10	100	0	71.5	20.3	95			
2,4-Dinitrotoluene	82.02	µg/L	10	100	0	82.0	22.4	106			
N-Nitrosodi-n-propylamine	72.98	µg/L	10	100	0	73.0	25.3	107			
4-Nitrophenol	63.86	µg/L	10	200	5.58	29.1	11.6	110			
Pentachlorophenol	91.90	µg/L	20	200	0	46.0	19.5	113			
Phenol	86.60	µg/L	10	200	0	43.3	16.1	69.3			
Pyrene	77.68	µg/L	10	100	0	77.7	38.3	99.3			
1,2,4-Trichlorobenzene	77.96	µg/L	10	100	0	78.0	25	97.3			
Sample ID: lcsd-27282		*LCSD*				Batch ID: **27282**		Analysis Date: 6/24/2011 11:46:36 PM			
Acenaphthene	82.70	µg/L	10	100	0	82.7	31.7	107	2.62	20	
4-Chloro-3-methylphenol	147.9	µg/L	10	200	0	74.0	24.4	123	6.25	20	
2-Chlorophenol	88.18	µg/L	10	200	0	44.1	24.7	104	34.2	20	R
1,4-Dichlorobenzene	72.64	µg/L	10	100	0	72.6	20.3	95	1.64	20	
2 otoluene	77.38	µg/L	10	100	0	77.4	22.4	106	5.82	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: 2nd QTR 2011 **Work Order:** 1106758

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-27282		*LCSD*				Batch ID:	**27282**	Analysis Date:		6/24/2011 11:46:36 PM	
N-Nitrosodi-n-propylamine	71.26	µg/L	10	100	0	71.3	25.3	107	2.38	20	
4-Nitrophenol	37.58	µg/L	10	200	5.58	16.0	11.6	110	51.8	20	R
Pentachlorophenol	74.44	µg/L	20	200	0	37.2	19.5	113	21.0	20	R
Phenol	72.66	µg/L	10	200	0	36.3	16.1	69.3	17.5	20	
Pyrene	77.06	µg/L	10	100	0	77.1	38.3	99.3	0.801	20	
1,2,4-Trichlorobenzene	79.56	µg/L	10	100	0	79.6	25	97.3	2.03	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

nt Name WESTERN REFINING GALLU — Date Received: 6/16/2011

Work Order Number 1106758 — Received by: LNM

Checklist completed by: _____ 6/16/11 — Sample ID labels checked by: _____ Initials

Signature — Date

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
ler - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.9°	<6° C *Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12

<2 >12 unless noted below.

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
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: 2nd QTR 2011
Project #: NAPIS
Project Manager: Cheryl Johnson
Sampler: CJohnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

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. 1106188	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) + MTBE	8270 (Semi-VOA) + phenols	WQCC Methods	WQCC - Dissolved	Cations/Anions		Air Bubbles (Y or N)
6/15/11	0830	Aqueous	NAPIS-1	VARIOUS	VARIOUS	-1			X							X	X	X	X	X		
	0958		NAPIS-2			-2			X							X	X	X	X	X		
	0900		NAPIS-3			-3			X							X	X	X	X	X		
	0930		KA-3			-4			X							X	X	X	X	X		
	0800		Field Blank			-5										X						
			TRIP Blank			-6										X						

Remarks:

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16/11	0930				
Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16/11	1:05			6/16/11	1305

If nece amples submitted to Hall Environmental may be subcontracted to other accredited laboratorie erves as notice of this possibility. Any sub-contracted data will be clearly notated on the analy ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, July 07, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2nd Qtr 2011

Order No.: 1106760

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/16/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1106760	**Collection Date:**	6/15/2011 10:46:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	4.0	1.0		mg/L	1	6/20/2011 12:15:52 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/20/2011 12:15:52 PM
Surr: DNOP	130	97.7-132		%REC	1	6/20/2011 12:15:52 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.53	0.050		mg/L	1	6/21/2011 12:44:49 PM
Surr: BFB	1260	65.4-141	S	%REC	1	6/21/2011 12:44:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.6	0.50		mg/L	5	6/17/2011 7:35:16 PM
Chloride	1200	50		mg/L	100	6/23/2011 5:54:05 AM
Bromide	2.6	0.50		mg/L	5	6/17/2011 7:35:16 PM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	6/23/2011 7:57:37 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	6/17/2011 7:35:16 PM
Sulfate	64	2.5		mg/L	5	6/17/2011 7:35:16 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	1.4	0.010		mg/L	5	6/29/2011 9:58:26 PM
Cadmium	ND	0.010		mg/L	5	6/29/2011 9:58:26 PM
Calcium	270	5.0		mg/L	5	6/29/2011 9:58:26 PM
Chromium	ND	0.030		mg/L	5	6/29/2011 9:58:26 PM
Copper	ND	0.030		mg/L	5	6/29/2011 9:58:26 PM
Iron	14	1.0		mg/L	50	6/30/2011 7:39:59 PM
Lead	ND	0.025		mg/L	5	6/29/2011 9:58:26 PM
Magnesium	65	5.0		mg/L	5	6/29/2011 9:58:26 PM
Manganese	2.7	0.010		mg/L	5	6/29/2011 9:58:26 PM
Potassium	ND	5.0		mg/L	5	6/29/2011 9:58:26 PM
Silver	ND	0.025		mg/L	5	6/29/2011 9:58:26 PM
Sodium	1000	50		mg/L	50	6/30/2011 7:39:59 PM
Zinc	0.063	0.050		mg/L	5	6/30/2011 7:37:20 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	1.5	0.010		mg/L	5	6/23/2011 6:19:34 PM
Cadmium	ND	0.0020		mg/L	1	6/23/2011 6:13:23 PM
Chromium	ND	0.0060		mg/L	1	6/23/2011 6:13:23 PM
Copper	ND	0.0060		mg/L	1	6/23/2011 6:13:23 PM
Iron	17	1.0		mg/L	50	6/23/2011 6:25:32 PM
Lead	0.010	0.0050		mg/L	1	6/23/2011 6:13:23 PM
Manganese	2.8	0.010		mg/L	5	6/23/2011 6:19:34 PM
Silver	ND	0.0050		mg/L	1	6/23/2011 6:13:23 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1106760	**Collection Date:**	6/15/2011 10:46:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Zinc	0.026	0.010		mg/L	1	6/23/2011 6:13:23 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.10	0.0050		mg/L	5	7/1/2011 7:03:57 PM
Selenium	0.025	0.0050		mg/L	5	7/1/2011 7:03:57 PM
Uranium	0.0075	0.0050		mg/L	5	7/5/2011 12:31:08 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.14	0.0050		mg/L	5	7/1/2011 4:32:57 PM
Selenium	0.015	0.0025		mg/L	2.5	7/1/2011 4:13:14 PM
Uranium	0.0084	0.0025		mg/L	2.5	7/1/2011 4:13:14 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/20/2011 3:23:41 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	7.4	1.0		µg/L	1	6/21/2011 5:32:40 PM
Toluene	2.7	1.0		µg/L	1	6/21/2011 5:32:40 PM
Ethylbenzene	5.3	1.0		µg/L	1	6/21/2011 5:32:40 PM
Methyl tert-butyl ether (MTBE)	47	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2,4-Trimethylbenzene	18	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,3,5-Trimethylbenzene	3.1	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Naphthalene	5.5	2.0		µg/L	1	6/21/2011 5:32:40 PM
1-Methylnaphthalene	24	4.0		µg/L	1	6/21/2011 5:32:40 PM
2-Methylnaphthalene	6.2	4.0		µg/L	1	6/21/2011 5:32:40 PM
Acetone	ND	10		µg/L	1	6/21/2011 5:32:40 PM
Bromobenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Bromoform	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Bromomethane	ND	3.0		µg/L	1	6/21/2011 5:32:40 PM
2-Butanone	ND	10		µg/L	1	6/21/2011 5:32:40 PM
Carbon disulfide	ND	10		µg/L	1	6/21/2011 5:32:40 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Chlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Chloroethane	ND	2.0		µg/L	1	6/21/2011 5:32:40 PM
Chloroform	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Chloromethane	ND	3.0		µg/L	1	6/21/2011 5:32:40 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 5:32:40 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
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1106760	**Collection Date:**	6/15/2011 10:46:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
4-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/21/2011 5:32:40 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Dibromomethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/21/2011 5:32:40 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
2-Hexanone	ND	10		µg/L	1	6/21/2011 5:32:40 PM
Isopropylbenzene	1.8	1.0		µg/L	1	6/21/2011 5:32:40 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/21/2011 5:32:40 PM
Methylene Chloride	ND	3.0		µg/L	1	6/21/2011 5:32:40 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
n-Propylbenzene	2.8	1.0		µg/L	1	6/21/2011 5:32:40 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Styrene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/21/2011 5:32:40 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/21/2011 5:32:40 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/21/2011 5:32:40 PM
Vinyl chloride	ND	1.0		µg/L	1	6/21/2011 5:32:40 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1106760	**Collection Date:**	6/15/2011 10:46:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Xylenes, Total	26	1.5		µg/L	1	6/21/2011 5:32:40 PM
Surr: 1,2-Dichloroethane-d4	89.8	65.8-138		%REC	1	6/21/2011 5:32:40 PM
Surr: 4-Bromofluorobenzene	105	72.7-128		%REC	1	6/21/2011 5:32:40 PM
Surr: Dibromofluoromethane	86.9	69-135		%REC	1	6/21/2011 5:32:40 PM
Surr: Toluene-d8	100	86.1-134		%REC	1	6/21/2011 5:32:40 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
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1106760	**Collection Date:**	6/15/2011 10:52:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/19/2011 5:02:49 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/19/2011 5:02:49 AM
Surr: DNOP	125	97.7-132		%REC	1	6/19/2011 5:02:49 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/21/2011 1:13:40 PM
Surr: BFB	139	65.4-141		%REC	1	6/21/2011 1:13:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	3.1	0.50		mg/L	5	6/17/2011 8:31:24 PM
Chloride	2200	100		mg/L	200	6/28/2011 3:45:59 AM
Bromide	4.9	0.50		mg/L	5	6/17/2011 8:31:24 PM
Nitrate (As N)+Nitrite (As N)	66	4.0		mg/L	20	6/23/2011 8:08:50 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	6/17/2011 8:31:24 PM
Sulfate	1100	25		mg/L	50	6/23/2011 6:16:32 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	570	10		mg/L	10	6/30/2011 4:10:54 PM
Magnesium	120	10		mg/L	10	6/30/2011 4:10:54 PM
Potassium	4.2	1.0		mg/L	1	6/21/2011 4:18:09 PM
Sodium	1600	100		mg/L	100	6/30/2011 4:18:47 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Toluene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Ethylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Methyl tert-butyl ether (MTBE)	3.0	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Naphthalene	ND	2.0		µg/L	1	6/21/2011 6:01:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 6:01:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 6:01:00 PM
Acetone	ND	10		µg/L	1	6/21/2011 6:01:00 PM
Bromobenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Bromoform	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Bromomethane	ND	3.0		µg/L	1	6/21/2011 6:01:00 PM
2-Butanone	ND	10		µg/L	1	6/21/2011 6:01:00 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
- 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1106760	**Collection Date:**	6/15/2011 10:52:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Carbon disulfide	ND	10		µg/L	1	6/21/2011 6:01:00 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Chlorobenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Chloroethane	ND	2.0		µg/L	1	6/21/2011 6:01:00 PM
Chloroform	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Chloromethane	ND	3.0		µg/L	1	6/21/2011 6:01:00 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/21/2011 6:01:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Dibromomethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/21/2011 6:01:00 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
2-Hexanone	ND	10		µg/L	1	6/21/2011 6:01:00 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/21/2011 6:01:00 PM
Methylene Chloride	ND	3.0		µg/L	1	6/21/2011 6:01:00 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Styrene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/21/2011 6:01:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1106760	**Collection Date:**	6/15/2011 10:52:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/21/2011 6:01:00 PM
Vinyl chloride	ND	1.0		µg/L	1	6/21/2011 6:01:00 PM
Xylenes, Total	ND	1.5		µg/L	1	6/21/2011 6:01:00 PM
Surr: 1,2-Dichloroethane-d4	95.0	65.8-138		%REC	1	6/21/2011 6:01:00 PM
Surr: 4-Bromofluorobenzene	93.2	72.7-128		%REC	1	6/21/2011 6:01:00 PM
Surr: Dibromofluoromethane	90.8	69-135		%REC	1	6/21/2011 6:01:00 PM
Surr: Toluene-d8	98.5	86.1-134		%REC	1	6/21/2011 6:01:00 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
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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1106760	**Collection Date:**	6/15/2011 11:48:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.1	1.0		mg/L	1	6/19/2011 5:36:57 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/19/2011 5:36:57 AM
Surr: DNOP	130	97.7-132		%REC	1	6/19/2011 5:36:57 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.12	0.050		mg/L	1	6/21/2011 1:42:31 PM
Surr: BFB	143	65.4-141	S	%REC	1	6/21/2011 1:42:31 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	5.5	0.50		mg/L	5	6/17/2011 9:05:06 PM
Chloride	610	50		mg/L	100	6/23/2011 6:38:59 AM
Bromide	2.3	0.50		mg/L	5	6/17/2011 9:05:06 PM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	6/23/2011 8:20:04 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	6/17/2011 9:05:06 PM
Sulfate	1900	50		mg/L	100	6/23/2011 6:38:59 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	470	20		mg/L	20	6/27/2011 1:11:14 PM
Magnesium	83	1.0		mg/L	1	6/21/2011 4:21:41 PM
Potassium	5.7	1.0		mg/L	1	6/21/2011 4:21:41 PM
Sodium	1200	20		mg/L	20	6/27/2011 1:11:14 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Toluene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Ethylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Methyl tert-butyl ether (MTBE)	2.0	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Naphthalene	ND	2.0		µg/L	1	6/21/2011 7:26:09 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 7:26:09 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/21/2011 7:26:09 PM
Acetone	ND	10		µg/L	1	6/21/2011 7:26:09 PM
Bromobenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Bromoform	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Bromomethane	ND	3.0		µg/L	1	6/21/2011 7:26:09 PM
2-Butanone	ND	10		µg/L	1	6/21/2011 7:26:09 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1106760	**Collection Date:**	6/15/2011 11:48:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Carbon disulfide	ND	10		µg/L	1	6/21/2011 7:26:09 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Chlorobenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Chloroethane	ND	2.0		µg/L	1	6/21/2011 7:26:09 PM
Chloroform	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Chloromethane	ND	3.0		µg/L	1	6/21/2011 7:26:09 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/21/2011 7:26:09 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Dibromomethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/21/2011 7:26:09 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
2-Hexanone	ND	10		µg/L	1	6/21/2011 7:26:09 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/21/2011 7:26:09 PM
Methylene Chloride	ND	3.0		µg/L	1	6/21/2011 7:26:09 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Styrene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/21/2011 7:26:09 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 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: *07-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1106760	**Collection Date:**	6/15/2011 11:48:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106760-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/21/2011 7:26:09 PM
Vinyl chloride	ND	1.0		µg/L	1	6/21/2011 7:26:09 PM
Xylenes, Total	ND	1.5		µg/L	1	6/21/2011 7:26:09 PM
Surr: 1,2-Dichloroethane-d4	90.2	65.8-138		%REC	1	6/21/2011 7:26:09 PM
Surr: 4-Bromofluorobenzene	102	72.7-128		%REC	1	6/21/2011 7:26:09 PM
Surr: Dibromofluoromethane	83.8	69-135		%REC	1	6/21/2011 7:26:09 PM
Surr: Toluene-d8	97.4	86.1-134		%REC	1	6/21/2011 7:26:09 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106760

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-27275		*MBLK*				Batch ID:	**27275**	Analysis Date:	6/21/2011 2:40:32 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-27275		*MBLK*				Batch ID:	**27275**	Analysis Date:	6/22/2011 1:44:54 PM		
Manganese	ND	mg/L	0.0020								
Sample ID: LCS-27275		*LCS*				Batch ID:	**27275**	Analysis Date:	6/21/2011 2:44:17 PM		
Arsenic	0.5384	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5017	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5054	mg/L	0.0020	0.5	0.0002	101	85	115			
Calcium	51.11	mg/L	1.0	50.5	0.0527	101	85	115			
Chromium	0.5170	mg/L	0.0060	0.5	0.0011	103	85	115			
Copper	0.5134	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5027	mg/L	0.020	0.5	0	101	85	115			
Lead	0.5148	mg/L	0.0050	0.5	0	103	85	115			
Magnesium	50.70	mg/L	1.0	50.5	0.0378	100	85	115			
Potassium	49.48	mg/L	1.0	55	0	90.0	85	115			
Selenium	0.5309	mg/L	0.050	0.5	0	106	85	115			
Silver	0.1024	mg/L	0.0050	0.1	0	102	85	115			
Sodium	49.49	mg/L	1.0	50.5	0	98.0	85	115			
Zinc	0.5335	mg/L	0.010	0.5	0.002	106	85	115			
Sample ID: LCS-27275		*LCS*				Batch ID:	**27275**	Analysis Date:	6/22/2011 1:48:40 PM		
Manganese	0.5211	mg/L	0.0020	0.5	0	104	85	115			

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: 2nd Qtr 2011 **Work Order:** 1106760

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R46231**		Analysis Date:	6/29/2011 3:04:33 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46231**		Analysis Date:	6/29/2011 3:12:49 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 3:53:15 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 4:03:12 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								

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: 2nd Qtr 2011 **Work Order:** 110676

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 4:03:12 PM		
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R46231**	Analysis Date:	6/29/2011 3:09:24 PM		
Barium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Calcium	53.18	mg/L	1.0	50.5	0.0247	105	85	115			
Chromium	0.5155	mg/L	0.0060	0.5	0	103	85	115			
Copper	0.4945	mg/L	0.0060	0.5	0	98.9	85	115			
Iron	0.5010	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5095	mg/L	0.0050	0.5	0	102	85	115			
Magnesium	50.86	mg/L	1.0	50.5	0.0229	101	85	115			
Manganese	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Potassium	48.58	mg/L	1.0	55	0	88.3	85	115			
Silver	0.09939	mg/L	0.0050	0.1	0	99.4	85	115			
Sodium	49.03	mg/L	1.0	50.5	0	97.1	85	115			
Zinc	0.5436	mg/L	0.010	0.5	0	109	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 3:57:35 PM		
Barium	0.4917	mg/L	0.0020	0.5	0	98.3	85	115			
Cadmium	0.4893	mg/L	0.0020	0.5	0.0002	97.8	85	115			
Calcium	49.31	mg/L	1.0	50.5	0	97.6	85	115			
Chromium	0.5035	mg/L	0.0060	0.5	0.0004	101	85	115			
Copper	0.5183	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4853	mg/L	0.020	0.5	0	97.1	85	115			
Lead	0.4840	mg/L	0.0050	0.5	0	96.8	85	115			
Magnesium	50.23	mg/L	1.0	50.5	0	99.5	85	115			
Manganese	0.4945	mg/L	0.0020	0.5	0	98.9	85	115			
Potassium	49.17	mg/L	1.0	55	0	89.4	85	115			
Silver	0.1013	mg/L	0.0050	0.1	0	101	85	115			
Sodium	49.83	mg/L	1.0	50.5	0	98.7	85	115			
Zinc	0.5066	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 4:07:30 PM		
Barium	0.4948	mg/L	0.0020	0.5	0	99.0	85	115			
Cadmium	0.4921	mg/L	0.0020	0.5	0.0003	98.4	85	115			
Calcium	50.31	mg/L	1.0	50.5	0	99.6	85	115			
Chromium	0.5124	mg/L	0.0060	0.5	0	102	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

't: Western Refining Southwest, Gallup
ct: 2nd Qtr 2011 **Work Order:** 1106760

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 4:07:30 PM		
Copper	0.5163	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4890	mg/L	0.020	0.5	0	97.8	85	115			
Lead	0.4890	mg/L	0.0050	0.5	0.0018	97.4	85	115			
Magnesium	50.83	mg/L	1.0	50.5	0	101	85	115			
Manganese	0.4972	mg/L	0.0020	0.5	0	99.4	85	115			
Potassium	49.78	mg/L	1.0	55	0	90.5	85	115			
Silver	0.1023	mg/L	0.0050	0.1	0	102	85	115			
Sodium	50.39	mg/L	1.0	50.5	0	99.8	85	115			
Zinc	0.5188	mg/L	0.010	0.5	0	104	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:44:02 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:40:13 AM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:47:45 PM		
'c	0.02521	mg/L	0.0010	0.025	0	101	85	115			
m	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Uranium	0.02391	mg/L	0.0010	0.025	0	95.6	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:43:23 AM		
Uranium	0.02725	mg/L	0.0010	0.025	0	109	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-27275		*MBLK*				Batch ID:	**27275**	Analysis Date:	7/1/2011 3:43:36 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Method: EPA Method 245.1: Mercury											
Sample ID: MB-27268		*MBLK*				Batch ID:	**27268**	Analysis Date:	6/20/2011 3:05:43 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-27268		*LCS*				Batch ID:	**27268**	Analysis Date:	6/20/2011 3:07:32 PM		
Mercury	0.004914	mg/L	0.00020	0.005	3E-06	98.2	80	120			

iers:

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: 2nd Qtr 2011 **Work Order:** 1106760

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R46013**		Analysis Date:	6/17/2011 11:32:26 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R46013**		Analysis Date:	6/17/2011 9:38:48 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R46093**		Analysis Date:	6/22/2011 11:33:28 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R46093**		Analysis Date:	6/22/2011 11:32:14 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R46185**		Analysis Date:	6/27/2011 8:36:57 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R46013**		Analysis Date:	6/17/2011 11:43:39 AM		
Fluoride	0.4999	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.761	mg/L	0.50	5	0	95.2	90	110			
Bromide	2.281	mg/L	0.10	2.5	0	91.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.444	mg/L	0.20	3.5	0	98.4	90	110			
Phosphorus, Orthophosphate (As P)	4.852	mg/L	0.50	5	0	97.0	90	110			
Sulfate	9.594	mg/L	0.50	10	0	95.9	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R46013**		Analysis Date:	6/17/2011 9:50:02 PM		
Fluoride	0.5137	mg/L	0.10	0.5	0	103	90	110			

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

t: Western Refining Southwest, Gallup
ct: 2nd Qtr 2011 **Work Order:** 1106760

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID: **R46013**		Analysis Date:		6/17/2011 9:50:02 PM	
Chloride	4.952	mg/L	0.50	5	0	99.0	90	110			
Bromide	2.528	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.538	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.094	mg/L	0.50	5	0	102	90	110			
Sulfate	9.965	mg/L	0.50	10	0	99.7	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R46093**		Analysis Date:		6/22/2011 11:44:42 AM	
Fluoride	0.4779	mg/L	0.10	0.5	0	95.6	90	110			
Chloride	4.701	mg/L	0.50	5	0	94.0	90	110			
Bromide	2.369	mg/L	0.10	2.5	0	94.7	90	110			
Nitrate (As N)+Nitrite (As N)	3.359	mg/L	0.20	3.5	0	96.0	90	110			
Phosphorus, Orthophosphate (As P)	4.714	mg/L	0.50	5	0	94.3	90	110			
Sulfate	9.517	mg/L	0.50	10	0	95.2	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R46093**		Analysis Date:		6/22/2011 11:43:28 PM	
Fluoride	0.5072	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.757	mg/L	0.50	5	0	95.1	90	110			
Bromide	2.315	mg/L	0.10	2.5	0	92.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.381	mg/L	0.20	3.5	0	96.6	90	110			
Phosphorus, Orthophosphate (As P)	4.920	mg/L	0.50	5	0	98.4	90	110			
	9.713	mg/L	0.50	10	0	97.1	90	110			
ID: LCS		*LCS*				Batch ID: **R46185**		Analysis Date:		6/27/2011 8:54:21 AM	
Fluoride	0.5190	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.053	mg/L	0.50	5	0	101	90	110			
Bromide	2.600	mg/L	0.10	2.5	0	104	90	110			
Nitrate (As N)+Nitrite (As N)	3.598	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.172	mg/L	0.50	5	0	103	90	110			
Sulfate	10.17	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-27248		*MBLK*				Batch ID: **27248**		Analysis Date:		6/18/2011 7:55:02 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-27248		*LCS*				Batch ID: **27248**		Analysis Date:		6/19/2011 5:44:59 PM	
Diesel Range Organics (DRO)	6.109	mg/L	1.0	5	0	122	74	157			
Sample ID: LCSD-27248		*LCSD*				Batch ID: **27248**		Analysis Date:		6/18/2011 9:04:23 PM	
Diesel Range Organics (DRO)	6.596	mg/L	1.0	5	0	132	74	157	7.66	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R46061**		Analysis Date:		6/21/2011 9:51:16 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R46061**		Analysis Date:		6/21/2011 11:47:00 AM	
Gasoline Range Organics (GRO)	0.5360	mg/L	0.050	0.5	0	107	81.8	120			

lers:

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: 2nd Qtr 2011 **Work Order:** 1106760

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1106760-02a msd		*MSD*				Batch ID: **R46062**		Analysis Date:		6/21/2011 6:57:49 PM	
Benzene	20.78	µg/L	1.0	20	0	104	82	118	4.98	17.1	
Toluene	21.90	µg/L	1.0	20	0	109	81.1	122	0.503	16.1	
Chlorobenzene	21.09	µg/L	1.0	20	0	105	78.8	114	0.827	15.5	
1,1-Dichloroethene	20.41	µg/L	1.0	20	0	102	89	126	6.04	15.8	
Trichloroethene (TCE)	17.63	µg/L	1.0	20	0	88.2	73.9	114	1.28	19.6	
Sample ID: b4		*MBLK*				Batch ID: **R46062**		Analysis Date:		6/21/2011 1:17:37 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

E	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: 2nd Qtr 2011 **Work Order:** 1106760

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID:	**R46062**	Analysis Date:		6/21/2011 1:17:37 PM	
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R46062**	Analysis Date:		6/21/2011 12:49:27 PM	
Benzene	21.54	µg/L	1.0	20	0	108	81.1	130			
Toluene	21.93	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	21.82	µg/L	1.0	20	0	109	70	130			
1,1-Dichloroethene	21.79	µg/L	1.0	20	0	109	83.1	126			
Trichloroethene (TCE)	18.37	µg/L	1.0	20	0	91.9	67.4	137			
Sample ID: 1106760-02a ms		*MS*				Batch ID:	**R46062**	Analysis Date:		6/21/2011 6:29:27 PM	
Benzene	19.77	µg/L	1.0	20	0	98.8	82	118			
Toluene	21.79	µg/L	1.0	20	0	109	81.1	122			
Chlorobenzene	21.26	µg/L	1.0	20	0	106	78.8	114			
1,1-Dichloroethene	21.68	µg/L	1.0	20	0	108	89	126			
Trichloroethene (TCE)	17.86	µg/L	1.0	20	0	89.3	73.9	114			

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: 6/16/2011

Work Order Number 1106760 | Received by: LNM

Checklist completed by: Signature 6/16/11 Date | Sample ID labels checked by: MG Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		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 ☐	7
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	(<2) >12 unless noted below.
Container/Temp Blank temperature?	1.9°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: OLD- ADDED 1mL HNO_3 TO 500mL HDPE HNO_3 FOR ACCEPTABLE PH. 6/17/11

Corrective Action _____

Cha[illegible]f-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup NM 87301

Phone #: 505 722 0231

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: 2nd QTR 2011

Project #: GWM

Project Manager: Cheryl Johnson

Sampler: CJohnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.9

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. 1105700	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) + MTBE	8270 (Semi-VOA) phenols	Total Metals	Total Metals - Filtered	Cations / Anions		Air Bubbles (Y or N)
6/15/11	1046	AQ	GWM-1			1			X							X		X	X	X		
"	1052	"	GWM-2			2			X							X				X		
"	1148	"	GWM-3			3			X							X				X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16/11	0930			6/16/11	1308
6-16-11	1:05				

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, July 12, 2011

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

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

RE: 2nd Qtr 2011

Order No.: 1106766

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/16/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:05:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	13	1.0		mg/L	1	6/20/2011 12:50:32 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/20/2011 12:50:32 PM
Surr: DNOP	128	97.7-132		%REC	1	6/20/2011 12:50:32 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	2.2	1.0		mg/L	20	6/22/2011 4:14:42 PM
Surr: BFB	116	65.4-141		%REC	20	6/22/2011 4:14:42 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.61	0.010		mg/L	5	6/29/2011 10:03:05 PM
Cadmium	ND	0.010		mg/L	5	6/29/2011 10:03:05 PM
Chromium	0.091	0.030		mg/L	5	6/29/2011 10:03:05 PM
Copper	ND	0.030		mg/L	5	6/29/2011 10:03:05 PM
Iron	0.33	0.10		mg/L	5	6/29/2011 10:03:05 PM
Lead	ND	0.025		mg/L	5	6/29/2011 10:03:05 PM
Manganese	1.1	0.010		mg/L	5	6/29/2011 10:03:05 PM
Silver	ND	0.025		mg/L	5	6/29/2011 10:03:05 PM
Zinc	ND	0.050		mg/L	5	6/29/2011 10:03:05 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.65	0.0020		mg/L	1	6/23/2011 6:54:04 PM
Cadmium	ND	0.0020		mg/L	1	6/23/2011 6:54:04 PM
Chromium	0.093	0.0060		mg/L	1	6/23/2011 6:54:04 PM
Copper	ND	0.0060		mg/L	1	6/23/2011 6:54:04 PM
Iron	1.3	0.10		mg/L	5	6/23/2011 7:06:58 PM
Lead	ND	0.0050		mg/L	1	6/23/2011 6:54:04 PM
Manganese	1.1	0.010		mg/L	5	6/23/2011 7:06:58 PM
Silver	ND	0.0050		mg/L	1	6/23/2011 6:54:04 PM
Zinc	0.061	0.010		mg/L	1	6/23/2011 6:54:04 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.013	0.0050		mg/L	5	7/1/2011 7:11:22 PM
Selenium	0.031	0.0050		mg/L	5	7/1/2011 7:11:22 PM
Uranium	ND	0.0050		mg/L	5	7/5/2011 12:34:18 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.012	0.0025		mg/L	2.5	7/6/2011 5:16:30 PM
Selenium	0.025	0.0025		mg/L	2.5	7/6/2011 5:16:30 PM
Uranium	ND	0.0025		mg/L	2.5	7/6/2011 5:16:30 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *12-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:05:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/20/2011 3:25:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	94	10		µg/L	10	6/22/2011 12:29:09 PM
Toluene	330	10		µg/L	10	6/22/2011 12:29:09 PM
Ethylbenzene	29	10		µg/L	10	6/22/2011 12:29:09 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2,4-Trimethylbenzene	41	10		µg/L	10	6/22/2011 12:29:09 PM
1,3,5-Trimethylbenzene	15	10		µg/L	10	6/22/2011 12:29:09 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Naphthalene	ND	20		µg/L	10	6/22/2011 12:29:09 PM
1-Methylnaphthalene	ND	40		µg/L	10	6/22/2011 12:29:09 PM
2-Methylnaphthalene	ND	40		µg/L	10	6/22/2011 12:29:09 PM
Acetone	ND	100		µg/L	10	6/22/2011 12:29:09 PM
Bromobenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Bromodichloromethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Bromoform	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Bromomethane	ND	30		µg/L	10	6/22/2011 12:29:09 PM
2-Butanone	ND	100		µg/L	10	6/22/2011 12:29:09 PM
Carbon disulfide	ND	100		µg/L	10	6/22/2011 12:29:09 PM
Carbon Tetrachloride	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Chlorobenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Chloroethane	ND	20		µg/L	10	6/22/2011 12:29:09 PM
Chloroform	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Chloromethane	ND	30		µg/L	10	6/22/2011 12:29:09 PM
2-Chlorotoluene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
4-Chlorotoluene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
cis-1,2-DCE	ND	10		µg/L	10	6/22/2011 12:29:09 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	6/22/2011 12:29:09 PM
Dibromochloromethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Dibromomethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Dichlorodifluoromethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,1-Dichloroethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,1-Dichloroethene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2-Dichloropropane	ND	10		µg/L	10	6/22/2011 12:29:09 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: *12-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:05:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,3-Dichloropropane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
2,2-Dichloropropane	ND	20		µg/L	10	6/22/2011 12:29:09 PM
1,1-Dichloropropene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Hexachlorobutadiene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
2-Hexanone	ND	100		µg/L	10	6/22/2011 12:29:09 PM
Isopropylbenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
4-Isopropyltoluene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	6/22/2011 12:29:09 PM
Methylene Chloride	ND	30		µg/L	10	6/22/2011 12:29:09 PM
n-Butylbenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
n-Propylbenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
sec-Butylbenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Styrene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
tert-Butylbenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	6/22/2011 12:29:09 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	6/22/2011 12:29:09 PM
trans-1,2-DCE	ND	10		µg/L	10	6/22/2011 12:29:09 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Trichloroethene (TCE)	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Trichlorofluoromethane	ND	10		µg/L	10	6/22/2011 12:29:09 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	6/22/2011 12:29:09 PM
Vinyl chloride	ND	10		µg/L	10	6/22/2011 12:29:09 PM
Xylenes, Total	260	15		µg/L	10	6/22/2011 12:29:09 PM
Surr: 1,2-Dichloroethane-d4	93.3	65.8-138		%REC	10	6/22/2011 12:29:09 PM
Surr: 4-Bromofluorobenzene	90.8	72.7-128		%REC	10	6/22/2011 12:29:09 PM
Surr: Dibromofluoromethane	91.1	69-135		%REC	10	6/22/2011 12:29:09 PM
Surr: Toluene-d8	99.9	86.1-134		%REC	10	6/22/2011 12:29:09 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: *12-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:15:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	27	1.0		mg/L	1	6/19/2011 6:45:34 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/19/2011 6:45:34 AM
Surr: DNOP	130	97.7-132		%REC	1	6/19/2011 6:45:34 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	13	2.5		mg/L	50	6/22/2011 5:12:28 PM
Surr: BFB	118	65.4-141		%REC	50	6/22/2011 5:12:28 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.11	0.010		mg/L	5	6/29/2011 10:06:35 PM
Cadmium	ND	0.010		mg/L	5	6/29/2011 10:06:35 PM
Chromium	0.11	0.030		mg/L	5	6/29/2011 10:06:35 PM
Copper	ND	0.030		mg/L	5	6/29/2011 10:06:35 PM
Iron	1.2	0.10		mg/L	5	6/29/2011 10:06:35 PM
Lead	ND	0.025		mg/L	5	6/29/2011 10:06:35 PM
Manganese	1.2	0.010		mg/L	5	6/29/2011 10:06:35 PM
Silver	ND	0.025		mg/L	5	6/29/2011 10:06:35 PM
Zinc	ND	0.050		mg/L	5	6/29/2011 10:06:35 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.94	0.0020		mg/L	1	6/23/2011 7:13:36 PM
Cadmium	ND	0.0020		mg/L	1	6/23/2011 7:13:36 PM
Chromium	0.14	0.0060		mg/L	1	6/23/2011 7:13:36 PM
Copper	0.13	0.0060		mg/L	1	6/23/2011 7:13:36 PM
Iron	31	1.0		mg/L	50	6/23/2011 7:40:48 PM
Lead	0.047	0.0050		mg/L	1	6/23/2011 7:13:36 PM
Manganese	1.3	0.010		mg/L	5	6/23/2011 7:34:09 PM
Silver	ND	0.0050		mg/L	1	6/23/2011 7:13:36 PM
Zinc	3.3	0.050		mg/L	5	6/23/2011 7:34:09 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.016	0.010		mg/L	10	7/1/2011 7:18:48 PM
Selenium	0.037	0.010		mg/L	10	7/1/2011 7:18:48 PM
Uranium	ND	0.010		mg/L	10	7/5/2011 12:40:40 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.027	0.0025		mg/L	2.5	7/6/2011 5:23:55 PM
Selenium	0.037	0.0025		mg/L	2.5	7/6/2011 5:23:55 PM
Uranium	ND	0.0025		mg/L	2.5	7/6/2011 5:23:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *12-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:15:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/20/2011 3:27:13 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	1800	20		µg/L	20	6/22/2011 12:57:28 PM
Toluene	280	20		µg/L	20	6/22/2011 12:57:28 PM
Ethylbenzene	320	20		µg/L	20	6/22/2011 12:57:28 PM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2,4-Trimethylbenzene	540	20		µg/L	20	6/22/2011 12:57:28 PM
1,3,5-Trimethylbenzene	160	20		µg/L	20	6/22/2011 12:57:28 PM
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Naphthalene	110	40		µg/L	20	6/22/2011 12:57:28 PM
1-Methylnaphthalene	ND	80		µg/L	20	6/22/2011 12:57:28 PM
2-Methylnaphthalene	95	80		µg/L	20	6/22/2011 12:57:28 PM
Acetone	ND	200		µg/L	20	6/22/2011 12:57:28 PM
Bromobenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Bromodichloromethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Bromoform	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Bromomethane	ND	60		µg/L	20	6/22/2011 12:57:28 PM
2-Butanone	ND	200		µg/L	20	6/22/2011 12:57:28 PM
Carbon disulfide	ND	200		µg/L	20	6/22/2011 12:57:28 PM
Carbon Tetrachloride	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Chlorobenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Chloroethane	ND	40		µg/L	20	6/22/2011 12:57:28 PM
Chloroform	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Chloromethane	ND	60		µg/L	20	6/22/2011 12:57:28 PM
2-Chlorotoluene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
4-Chlorotoluene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
cis-1,2-DCE	ND	20		µg/L	20	6/22/2011 12:57:28 PM
cis-1,3-Dichloropropene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	6/22/2011 12:57:28 PM
Dibromochloromethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Dibromomethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2-Dichlorobenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,3-Dichlorobenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,4-Dichlorobenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Dichlorodifluoromethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,1-Dichloroethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,1-Dichloroethene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2-Dichloropropane	ND	20		µg/L	20	6/22/2011 12:57:28 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:15:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,3-Dichloropropane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
2,2-Dichloropropane	ND	40		µg/L	20	6/22/2011 12:57:28 PM
1,1-Dichloropropene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Hexachlorobutadiene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
2-Hexanone	ND	200		µg/L	20	6/22/2011 12:57:28 PM
Isopropylbenzene	23	20		µg/L	20	6/22/2011 12:57:28 PM
4-Isopropyltoluene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
4-Methyl-2-pentanone	230	200		µg/L	20	6/22/2011 12:57:28 PM
Methylene Chloride	ND	60		µg/L	20	6/22/2011 12:57:28 PM
n-Butylbenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
n-Propylbenzene	44	20		µg/L	20	6/22/2011 12:57:28 PM
sec-Butylbenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Styrene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
tert-Butylbenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	6/22/2011 12:57:28 PM
Tetrachloroethene (PCE)	ND	20		µg/L	20	6/22/2011 12:57:28 PM
trans-1,2-DCE	ND	20		µg/L	20	6/22/2011 12:57:28 PM
trans-1,3-Dichloropropene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,1,1-Trichloroethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,1,2-Trichloroethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Trichloroethene (TCE)	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Trichlorofluoromethane	ND	20		µg/L	20	6/22/2011 12:57:28 PM
1,2,3-Trichloropropane	ND	40		µg/L	20	6/22/2011 12:57:28 PM
Vinyl chloride	ND	20		µg/L	20	6/22/2011 12:57:28 PM
Xylenes, Total	3800	30		µg/L	20	6/22/2011 12:57:28 PM
Surr: 1,2-Dichloroethane-d4	91.6	65.8-138		%REC	20	6/22/2011 12:57:28 PM
Surr: 4-Bromofluorobenzene	90.6	72.7-128		%REC	20	6/22/2011 12:57:28 PM
Surr: Dibromofluoromethane	86.6	69-135		%REC	20	6/22/2011 12:57:28 PM
Surr: Toluene-d8	100	86.1-134		%REC	20	6/22/2011 12:57:28 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: *12-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:30:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	20	1.0		mg/L	1	6/20/2011 1:25:11 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/20/2011 1:25:11 PM
Surr: DNOP	118	97.7-132		%REC	1	6/20/2011 1:25:11 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	38	10		mg/L	200	6/21/2011 3:09:12 PM
Surr: BFB	111	65.4-141		%REC	200	6/21/2011 3:09:12 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.46	0.010		mg/L	5	6/29/2011 10:21:26 PM
Cadmium	ND	0.010		mg/L	5	6/29/2011 10:21:26 PM
Chromium	0.033	0.030		mg/L	5	6/29/2011 10:21:26 PM
Copper	ND	0.030		mg/L	5	6/29/2011 10:21:26 PM
Iron	ND	0.10		mg/L	5	6/29/2011 10:21:26 PM
Lead	ND	0.025		mg/L	5	6/29/2011 10:21:26 PM
Manganese	0.33	0.010		mg/L	5	6/29/2011 10:21:26 PM
Silver	ND	0.025		mg/L	5	6/29/2011 10:21:26 PM
Zinc	ND	0.050		mg/L	5	6/29/2011 10:21:26 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.50	0.010		mg/L	5	6/23/2011 7:44:01 PM
Cadmium	ND	0.010		mg/L	5	6/23/2011 7:44:01 PM
Chromium	0.039	0.030		mg/L	5	6/23/2011 7:44:01 PM
Copper	ND	0.030		mg/L	5	6/23/2011 7:44:01 PM
Iron	0.38	0.10		mg/L	5	6/23/2011 7:44:01 PM
Lead	ND	0.025		mg/L	5	6/23/2011 7:44:01 PM
Manganese	0.35	0.010		mg/L	5	6/23/2011 7:44:01 PM
Silver	ND	0.025		mg/L	5	6/23/2011 7:44:01 PM
Zinc	ND	0.050		mg/L	5	6/23/2011 7:44:01 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0048	0.0020		mg/L	2	7/7/2011 7:52:20 PM
Selenium	0.0041	0.0020		mg/L	2	7/7/2011 7:52:20 PM
Uranium	ND	0.0020		mg/L	2	7/11/2011 11:29:42 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0065	0.0025		mg/L	2.5	7/6/2011 5:31:20 PM
Selenium	0.0040	0.0025		mg/L	2.5	7/6/2011 5:31:20 PM
Uranium	ND	0.0025		mg/L	2.5	7/6/2011 5:31:20 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
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- 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:30:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/20/2011 3:28:59 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	3000	200		µg/L	200	6/21/2011 8:50:45 PM
Toluene	7100	200		µg/L	200	6/21/2011 8:50:45 PM
Ethylbenzene	480	200		µg/L	200	6/21/2011 8:50:45 PM
Methyl tert-butyl ether (MTBE)	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2,4-Trimethylbenzene	500	200		µg/L	200	6/21/2011 8:50:45 PM
1,3,5-Trimethylbenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2-Dichloroethane (EDC)	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2-Dibromoethane (EDB)	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Naphthalene	ND	400		µg/L	200	6/21/2011 8:50:45 PM
1-Methylnaphthalene	ND	800		µg/L	200	6/21/2011 8:50:45 PM
2-Methylnaphthalene	ND	800		µg/L	200	6/21/2011 8:50:45 PM
Acetone	5300	2000		µg/L	200	6/21/2011 8:50:45 PM
Bromobenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Bromodichloromethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Bromoform	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Bromomethane	ND	600		µg/L	200	6/21/2011 8:50:45 PM
2-Butanone	ND	2000		µg/L	200	6/21/2011 8:50:45 PM
Carbon disulfide	ND	2000		µg/L	200	6/21/2011 8:50:45 PM
Carbon Tetrachloride	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Chlorobenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Chloroethane	ND	400		µg/L	200	6/21/2011 8:50:45 PM
Chloroform	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Chloromethane	ND	600		µg/L	200	6/21/2011 8:50:45 PM
2-Chlorotoluene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
4-Chlorotoluene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
cis-1,2-DCE	ND	200		µg/L	200	6/21/2011 8:50:45 PM
cis-1,3-Dichloropropene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2-Dibromo-3-chloropropane	ND	400		µg/L	200	6/21/2011 8:50:45 PM
Dibromochloromethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Dibromomethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2-Dichlorobenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,3-Dichlorobenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,4-Dichlorobenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Dichlorodifluoromethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,1-Dichloroethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,1-Dichloroethene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2-Dichloropropane	ND	200		µg/L	200	6/21/2011 8:50:45 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *12-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1106766	**Collection Date:**	6/15/2011 10:30:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106766-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,3-Dichloropropane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
2,2-Dichloropropane	ND	400		µg/L	200	6/21/2011 8:50:45 PM
1,1-Dichloropropene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Hexachlorobutadiene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
2-Hexanone	ND	2000		µg/L	200	6/21/2011 8:50:45 PM
Isopropylbenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
4-Isopropyltoluene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
4-Methyl-2-pentanone	ND	2000		µg/L	200	6/21/2011 8:50:45 PM
Methylene Chloride	ND	600		µg/L	200	6/21/2011 8:50:45 PM
n-Butylbenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
n-Propylbenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
sec-Butylbenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Styrene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
tert-Butylbenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,1,1,2-Tetrachloroethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,1,2,2-Tetrachloroethane	ND	400		µg/L	200	6/21/2011 8:50:45 PM
Tetrachloroethene (PCE)	ND	200		µg/L	200	6/21/2011 8:50:45 PM
trans-1,2-DCE	ND	200		µg/L	200	6/21/2011 8:50:45 PM
trans-1,3-Dichloropropene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2,3-Trichlorobenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2,4-Trichlorobenzene	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,1,1-Trichloroethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,1,2-Trichloroethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Trichloroethene (TCE)	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Trichlorofluoromethane	ND	200		µg/L	200	6/21/2011 8:50:45 PM
1,2,3-Trichloropropane	ND	400		µg/L	200	6/21/2011 8:50:45 PM
Vinyl chloride	ND	200		µg/L	200	6/21/2011 8:50:45 PM
Xylenes, Total	3900	300		µg/L	200	6/21/2011 8:50:45 PM
Surr: 1,2-Dichloroethane-d4	90.1	65.8-138		%REC	200	6/21/2011 8:50:45 PM
Surr: 4-Bromofluorobenzene	99.0	72.7-128		%REC	200	6/21/2011 8:50:45 PM
Surr: Dibromofluoromethane	87.8	69-135		%REC	200	6/21/2011 8:50:45 PM
Surr: Toluene-d8	105	86.1-134		%REC	200	6/21/2011 8:50:45 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-27275		*MBLK*				**Batch ID: 27275**		**Analysis Date:**	6/21/2011 2:40:32 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB-27275		*MBLK*				**Batch ID: 27275**		**Analysis Date:**	6/22/2011 1:44:54 PM		
Manganese	ND	mg/L	0.0020								
Sample ID: LCS-27275		*LCS*				**Batch ID: 27275**		**Analysis Date:**	6/21/2011 2:44:17 PM		
Arsenic	0.5384	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5017	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5054	mg/L	0.0020	0.5	0.0002	101	85	115			
Chromium	0.5170	mg/L	0.0060	0.5	0.0011	103	85	115			
Copper	0.5134	mg/L	0.0060	0.5	0	103	85	115			
	0.5027	mg/L	0.020	0.5	0	101	85	115			
Lead	0.5148	mg/L	0.0050	0.5	0	103	85	115			
Selenium	0.5309	mg/L	0.050	0.5	0	106	85	115			
Silver	0.1024	mg/L	0.0050	0.1	0	102	85	115			
Zinc	0.5335	mg/L	0.010	0.5	0.002	106	85	115			
Sample ID: LCS-27275		*LCS*				**Batch ID: 27275**		**Analysis Date:**	6/22/2011 1:48:40 PM		
Manganese	0.5211	mg/L	0.0020	0.5	0	104	85	115			

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: 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46231**	Analysis Date:	6/29/2011 3:04:33 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R46231**	Analysis Date:	6/29/2011 3:12:49 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R46231**	Analysis Date:	6/29/2011 3:09:24 PM		
Barium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Chromium	0.5155	mg/L	0.0060	0.5	0	103	85	115			
Copper	0.4945	mg/L	0.0060	0.5	0	98.9	85	115			
Iron	0.5010	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5095	mg/L	0.0050	0.5	0	102	85	115			
Manganese	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Silver	0.09939	mg/L	0.0050	0.1	0	99.4	85	115			
Zinc	0.5436	mg/L	0.010	0.5	0	109	85	115			

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

t: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R46316**		**Analysis Date: 7/1/2011 4:44:02 PM**			
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				**Batch ID: R46328**		**Analysis Date: 7/5/2011 11:40:13 AM**			
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				**Batch ID: R46400**		**Analysis Date: 7/7/2011 3:09:16 PM**			
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				**Batch ID: R46424**		**Analysis Date: 7/11/2011 11:22:18 AM**			
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				**Batch ID: R46316**		**Analysis Date: 7/1/2011 4:47:45 PM**			
Arsenic	0.02521	mg/L	0.0010	0.025	0	101	85	115			
Selenium	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Uranium	0.02391	mg/L	0.0010	0.025	0	95.6	85	115			
Sample ID: LCS		*LCS*				**Batch ID: R46328**		**Analysis Date: 7/5/2011 11:43:23 AM**			
m	0.02725	mg/L	0.0010	0.025	0	109	85	115			
le ID: LCS		*LCS*				**Batch ID: R46400**		**Analysis Date: 7/7/2011 3:15:02 PM**			
Arsenic	0.02571	mg/L	0.0010	0.025	0	103	85	115			
Selenium	0.02573	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				**Batch ID: R46424**		**Analysis Date: 7/11/2011 11:25:59 AM**			
Arsenic	0.02628	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02664	mg/L	0.0010	0.025	0	107	85	115			
Uranium	0.02636	mg/L	0.0010	0.025	0	105	85	115			
Sample ID: 1106766-01CMS		*MS*				**Batch ID: R46328**		**Analysis Date: 7/5/2011 12:37:29 PM**			
Uranium	0.1295	mg/L	0.0050	0.125	0	104	70	130			
Method: EPA 200.8: Metals											
Sample ID: MB-27275		*MBLK*				**Batch ID: 27275**		**Analysis Date: 7/1/2011 3:43:36 PM**			
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				**Batch ID: R46400**		**Analysis Date: 7/7/2011 3:09:16 PM**			
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				**Batch ID: R46400**		**Analysis Date: 7/7/2011 3:15:02 PM**			
Arsenic	0.02571	mg/L	0.0010	0.025	0	103	85	115			
Selenium	0.02573	mg/L	0.0010	0.025	0	103	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 245.1: Mercury											
Sample ID: MB-27268		*MBLK*				Batch ID:	**27268**	Analysis Date:		6/20/2011 3:05:43 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-27268		*LCS*				Batch ID:	**27268**	Analysis Date:		6/20/2011 3:07:32 PM	
Mercury	0.004914	mg/L	0.00020	0.005	3E-06	98.2	80	120			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-27248		*MBLK*				Batch ID:	**27248**	Analysis Date:		6/18/2011 7:55:02 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-27248		*LCS*				Batch ID:	**27248**	Analysis Date:		6/19/2011 5:44:59 PM	
Diesel Range Organics (DRO)	6.109	mg/L	1.0	5	0	122	74	157			
Sample ID: LCSD-27248		*LCSD*				Batch ID:	**27248**	Analysis Date:		6/18/2011 9:04:23 PM	
Diesel Range Organics (DRO)	6.596	mg/L	1.0	5	0	132	74	157	7.66	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R46061**	Analysis Date:		6/21/2011 9:51:16 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R46103**	Analysis Date:		6/22/2011 9:49:22 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R46061**	Analysis Date:		6/21/2011 11:47:00 AM	
Gasoline Range Organics (GRO)	0.5360	mg/L	0.050	0.5	0	107	81.8	120			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R46103**	Analysis Date:		6/22/2011 12:23:15 PM	
Gasoline Range Organics (GRO)	0.5154	mg/L	0.050	0.5	0	103	81.8	120			

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

Project: Western Refining Southwest, Gallup 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*					**Batch ID: R46062**		**Analysis Date:**	6/21/2011 1:17:37 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
C Tetrachloride	ND	µg/L	1.0								
C enzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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: 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID: **R46062**		Analysis Date:	6/21/2011 1:17:37 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R46087**		Analysis Date:	6/22/2011 9:39:11 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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

Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R46087**		**Analysis Date: 6/22/2011 9:39:11 AM**			
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
[illegible]lorobutadiene	ND	µg/L	1.0								
[illegible]none	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*				**Batch ID: R46062**		**Analysis Date: 6/21/2011 12:49:27 PM**			

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: 2nd Qtr 2011 **Work Order:** 1106766

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R46062**	Analysis Date:	6/21/2011 12:49:27 PM		
Benzene	21.54	µg/L	1.0	20	0	108	81.1	130			
Toluene	21.93	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	21.82	µg/L	1.0	20	0	109	70	130			
1,1-Dichloroethene	21.79	µg/L	1.0	20	0	109	83.1	126			
Trichloroethene (TCE)	18.37	µg/L	1.0	20	0	91.9	67.4	137			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R46087**	Analysis Date:	6/22/2011 10:35:21 AM		
Benzene	20.81	µg/L	1.0	20	0	104	81.1	130			
Toluene	22.63	µg/L	1.0	20	0	113	82.3	122			
Chlorobenzene	21.85	µg/L	1.0	20	0	109	70	130			
1,1-Dichloroethene	21.64	µg/L	1.0	20	0	108	83.1	126			
Trichloroethene (TCE)	18.79	µg/L	1.0	20	0	93.9	67.4	137			

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: 6/16/2011

Work Order Number 1106766 Received by: LNM

Checklist completed by: Signature 6/16/11 Date Sample ID labels checked by: Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
ar - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑ 6/17/11	No ☑	N/A ☐	
Container/Temp Blank temperature?	1.9°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 6

(<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: 010-035 - ADDED 1mL HNO_3 TO 500ml PE HNO_3 FOR ACCEPTABLE pH 6/17/11

rective Action _____

Chain-of-Custody Record

Client: Western Refinery Gallup Ref.

Mailing Address: Rt 3 Bx 7 Gallup NM

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: 2nd QTR 2011

Project #: LDU

Project Manager: Cheryl Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.9

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. 1105C-11010	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)	WQCC Metals	WQCC Metals - Filtered			Air Bubbles (Y or N)
6/15/11	1005	AQ	West LDU			1			X							X		X	X			
	1015		EAST LDU			2			X							X		X	X			
	1030		Oil Sump LDU			3			X							X		X	X			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16/11	0930			6/16/11	1308
6-16-11	1:05				

Remarks:

If nec amples submitted to Hall Environmental may be subcontracted to other accredited laboratories. serves as notice of this possibility. Any sub-contracted data will be clearly notated on the anal port.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, July 13, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2nd Qtr 2011

Order No.: 1106759

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/16/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *13-Jul-11*

CLIENT: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011
Lab Order: 1106759

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 1106759-03a: Sample dilution due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1106759	**Collection Date:**	6/16/2011 7:30:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.4	1.0		mg/L	1	6/20/2011 11:41:14 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/20/2011 11:41:14 AM
Surr: DNOP	122	97.7-132		%REC	1	6/20/2011 11:41:14 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/22/2011 3:16:45 PM
Surr: BFB	111	65.4-141		%REC	1	6/22/2011 3:16:45 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.015	0.010		mg/L	5	7/1/2011 1:08:11 PM
Cadmium	ND	0.010		mg/L	5	7/1/2011 1:08:11 PM
Calcium	200	5.0		mg/L	5	7/1/2011 1:08:11 PM
Chromium	ND	0.030		mg/L	5	7/1/2011 1:08:11 PM
Copper	ND	0.030		mg/L	5	7/1/2011 1:08:11 PM
Iron	0.11	0.10		mg/L	5	7/1/2011 1:08:11 PM
Lead	ND	0.025		mg/L	5	7/1/2011 1:08:11 PM
Magnesium	50	5.0		mg/L	5	7/1/2011 1:08:11 PM
Manganese	0.043	0.010		mg/L	5	7/1/2011 1:08:11 PM
Potassium	21	5.0		mg/L	5	7/1/2011 1:08:11 PM
Silver	ND	0.025		mg/L	5	7/1/2011 1:08:11 PM
Sodium	150	5.0		mg/L	5	7/1/2011 1:08:11 PM
Zinc	ND	0.050		mg/L	5	7/11/2011 2:01:35 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.019	0.0020		mg/L	1	6/21/2011 6:13:19 PM
Cadmium	ND	0.0020		mg/L	1	6/21/2011 6:13:19 PM
Chromium	0.0060	0.0060		mg/L	1	6/21/2011 6:13:19 PM
Copper	0.048	0.0060		mg/L	1	6/21/2011 6:13:19 PM
Iron	0.43	0.020		mg/L	1	6/21/2011 6:13:19 PM
Lead	ND	0.0050		mg/L	1	6/23/2011 7:47:23 PM
Manganese	0.052	0.0020		mg/L	1	6/21/2011 6:13:19 PM
Silver	ND	0.0050		mg/L	1	6/21/2011 6:13:19 PM
Zinc	0.12	0.010		mg/L	1	6/23/2011 7:47:23 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0050		mg/L	5	7/6/2011 4:17:00 PM
Selenium	0.0069	0.0050		mg/L	5	7/6/2011 4:17:00 PM
Uranium	ND	0.0050		mg/L	5	7/6/2011 4:17:00 PM
EPA 200.8: METALS						Analyst: **SNV**

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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1106759	**Collection Date:**	6/16/2011 7:30:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0028	0.0025		mg/L	2.5	7/1/2011 4:09:31 PM
Selenium	0.0028	0.0025		mg/L	2.5	7/1/2011 4:09:31 PM
Uranium	ND	0.0025		mg/L	2.5	7/1/2011 4:09:31 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/20/2011 3:18:13 PM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	370	2.0		mg/L	1	6/22/2011 9:15:00 AM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Toluene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Ethylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Naphthalene	ND	10		µg/L	5	6/21/2011 3:03:36 AM
1-Methylnaphthalene	ND	20		µg/L	5	6/21/2011 3:03:36 AM
2-Methylnaphthalene	ND	20		µg/L	5	6/21/2011 3:03:36 AM
Acetone	ND	50		µg/L	5	6/21/2011 3:03:36 AM
Bromobenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Bromodichloromethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Bromoform	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Bromomethane	ND	15		µg/L	5	6/21/2011 3:03:36 AM
2-Butanone	ND	50		µg/L	5	6/21/2011 3:03:36 AM
Carbon disulfide	110	50		µg/L	5	6/21/2011 3:03:36 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Chlorobenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Chloroethane	ND	10		µg/L	5	6/21/2011 3:03:36 AM
Chloroform	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Chloromethane	ND	15		µg/L	5	6/21/2011 3:03:36 AM
2-Chlorotoluene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
4-Chlorotoluene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
cis-1,2-DCE	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/21/2011 3:03:36 AM
Dibromochloromethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

lall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1106759	**Collection Date:**	6/16/2011 7:30:00 AM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Dibromomethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
2,2-Dichloropropane	ND	10		µg/L	5	6/21/2011 3:03:36 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
2-Hexanone	ND	50		µg/L	5	6/21/2011 3:03:36 AM
Isopropylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/21/2011 3:03:36 AM
Methylene Chloride	ND	15		µg/L	5	6/21/2011 3:03:36 AM
n-Butylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
n-Propylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
sec-Butylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Styrene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
tert-Butylbenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/21/2011 3:03:36 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
trans-1,2-DCE	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/21/2011 3:03:36 AM
Vinyl chloride	ND	5.0		µg/L	5	6/21/2011 3:03:36 AM
Xylenes, Total	ND	7.5		µg/L	5	6/21/2011 3:03:36 AM
Surr: 1,2-Dichloroethane-d4	91.0	65.8-138		%REC	5	6/21/2011 3:03:36 AM
Surr: 4-Bromofluorobenzene	95.1	72.7-128		%REC	5	6/21/2011 3:03:36 AM
Surr: Dibromofluoromethane	87.7	69-135		%REC	5	6/21/2011 3:03:36 AM
Surr: Toluene-d8	99.3	86.1-134		%REC	5	6/21/2011 3:03:36 AM

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
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: *13-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:05:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	13	3.0		mg/L	1	6/19/2011 3:20:22 AM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	6/19/2011 3:20:22 AM
Surr: DNOP	123	97.7-132		%REC	1	6/19/2011 3:20:22 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	99	2.5		mg/L	50	6/20/2011 10:29:26 PM
Surr: BFB	170	65.4-141	S	%REC	50	6/20/2011 10:29:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	57	2.0		mg/L	20	6/17/2011 3:37:04 AM
Chloride	280	10		mg/L	20	6/17/2011 3:37:04 AM
Nitrogen, Nitrite (As N)	5.0	2.0		mg/L	20	6/17/2011 3:37:04 AM
Bromide	ND	2.0		mg/L	20	6/17/2011 3:37:04 AM
Nitrogen, Nitrate (As N)	10	2.0		mg/L	20	6/17/2011 3:37:04 AM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	6/17/2011 3:37:04 AM
Sulfate	1200	50		mg/L	100	6/17/2011 3:48:18 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.058	0.010		mg/L	5	6/29/2011 9:52:46 PM
Cadmium	ND	0.010		mg/L	5	6/29/2011 9:52:46 PM
Calcium	61	5.0		mg/L	5	6/29/2011 9:52:46 PM
Chromium	0.032	0.030		mg/L	5	6/29/2011 9:52:46 PM
Copper	ND	0.030		mg/L	5	6/29/2011 9:52:46 PM
Iron	32	1.0		mg/L	50	6/30/2011 7:28:00 PM
Lead	ND	0.025		mg/L	5	6/29/2011 9:52:46 PM
Magnesium	17	5.0		mg/L	5	6/29/2011 9:52:46 PM
Manganese	0.29	0.010		mg/L	5	6/29/2011 9:52:46 PM
Potassium	37	5.0		mg/L	5	6/29/2011 9:52:46 PM
Silver	ND	0.025		mg/L	5	6/29/2011 9:52:46 PM
Sodium	850	50		mg/L	50	6/30/2011 7:28:00 PM
Zinc	0.76	0.050		mg/L	5	6/30/2011 7:25:04 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.066	0.0020		mg/L	1	6/23/2011 5:36:15 PM
Cadmium	ND	0.0020		mg/L	1	6/23/2011 5:36:15 PM
Chromium	0.035	0.0060		mg/L	1	6/23/2011 5:36:15 PM
Copper	0.0076	0.0060		mg/L	1	6/23/2011 5:36:15 PM
Iron	41	2.0		mg/L	100	6/23/2011 5:48:50 PM
Lead	ND	0.0050		mg/L	1	6/23/2011 5:36:15 PM
Manganese	0.29	0.0020		mg/L	1	6/23/2011 5:36:15 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
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: *13-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:05:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Silver	ND	0.0050		mg/L	1	6/23/2011 5:36:15 PM
Zinc	0.91	0.010		mg/L	1	6/23/2011 5:36:15 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.010		mg/L	10	7/1/2011 6:41:43 PM
Selenium	0.017	0.010		mg/L	10	7/1/2011 6:41:43 PM
Uranium	ND	0.010		mg/L	10	7/5/2011 12:24:45 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.013	0.0025		mg/L	2.5	7/1/2011 4:02:07 PM
Selenium	0.014	0.0025		mg/L	2.5	7/1/2011 4:02:07 PM
Uranium	0.0029	0.0025		mg/L	2.5	7/1/2011 4:02:07 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	0.00075	0.00020		mg/L	1	6/17/2011 1:19:08 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Acenaphthylene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Aniline	94	50		µg/L	1	6/24/2011 5:45:09 PM
Anthracene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Azobenzene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Benz(a)anthracene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Benzo(a)pyrene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Benzoic acid	ND	100		µg/L	1	6/24/2011 5:45:09 PM
Benzyl alcohol	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Bis(2-ethylhexyl)phthalate	66	50		µg/L	1	6/24/2011 5:45:09 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Butyl benzyl phthalate	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Carbazole	ND	50		µg/L	1	6/24/2011 5:45:09 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/24/2011 5:45:09 PM
4-Chloroaniline	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2-Chloronaphthalene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2-Chlorophenol	ND	50		µg/L	1	6/24/2011 5:45:09 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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:05:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Chrysene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Di-n-butyl phthalate	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Di-n-octyl phthalate	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Dibenzofuran	ND	50		µg/L	1	6/24/2011 5:45:09 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Diethyl phthalate	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Dimethyl phthalate	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/24/2011 5:45:09 PM
2,4-Dimethylphenol	180	50		µg/L	1	6/24/2011 5:45:09 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/24/2011 5:45:09 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/24/2011 5:45:09 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Fluoranthene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Fluorene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Hexachlorobenzene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Hexachlorobutadiene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Hexachloroethane	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Isophorone	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2-Methylnaphthalene	800	50		µg/L	1	6/24/2011 5:45:09 PM
2-Methylphenol	480	50		µg/L	1	6/24/2011 5:45:09 PM
3+4-Methylphenol	960	50		µg/L	1	6/24/2011 5:45:09 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/24/2011 5:45:09 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	6/24/2011 5:45:09 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Naphthalene	410	50		µg/L	1	6/24/2011 5:45:09 PM
2-Nitroaniline	ND	50		µg/L	1	6/24/2011 5:45:09 PM
3-Nitroaniline	ND	50		µg/L	1	6/24/2011 5:45:09 PM
4-Nitroaniline	ND	100		µg/L	1	6/24/2011 5:45:09 PM
Nitrobenzene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2-Nitrophenol	ND	50		µg/L	1	6/24/2011 5:45:09 PM
4-Nitrophenol	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Pentachlorophenol	ND	100		µg/L	1	6/24/2011 5:45:09 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
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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:05:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	120	50		µg/L	1	6/24/2011 5:45:09 PM
Phenol	1100	50		µg/L	1	6/24/2011 5:45:09 PM
Pyrene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Pyridine	ND	50		µg/L	1	6/24/2011 5:45:09 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/24/2011 5:45:09 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/24/2011 5:45:09 PM
Surr: 2,4,6-Tribromophenol	27.7	14.4-140		%REC	1	6/24/2011 5:45:09 PM
Surr: 2-Fluorobiphenyl	56.2	31.2-116		%REC	1	6/24/2011 5:45:09 PM
Surr: 2-Fluorophenol	20.6	11.8-102		%REC	1	6/24/2011 5:45:09 PM
Surr: 4-Terphenyl-d14	50.0	19.1-132		%REC	1	6/24/2011 5:45:09 PM
Surr: Nitrobenzene-d5	61.3	21.3-126		%REC	1	6/24/2011 5:45:09 PM
Surr: Phenol-d5	30.7	13.7-82.2		%REC	1	6/24/2011 5:45:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	8900	100		µg/L	100	6/21/2011 3:31:50 AM
Toluene	21000	500		µg/L	500	6/21/2011 3:39:13 PM
Ethylbenzene	2000	100		µg/L	100	6/21/2011 3:31:50 AM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2,4-Trimethylbenzene	2000	100		µg/L	100	6/21/2011 3:31:50 AM
1,3,5-Trimethylbenzene	690	100		µg/L	100	6/21/2011 3:31:50 AM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Naphthalene	340	200		µg/L	100	6/21/2011 3:31:50 AM
1-Methylnaphthalene	ND	400		µg/L	100	6/21/2011 3:31:50 AM
2-Methylnaphthalene	ND	400		µg/L	100	6/21/2011 3:31:50 AM
Acetone	ND	1000		µg/L	100	6/21/2011 3:31:50 AM
Bromobenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Bromodichloromethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Bromoform	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Bromomethane	ND	300		µg/L	100	6/21/2011 3:31:50 AM
2-Butanone	ND	1000		µg/L	100	6/21/2011 3:31:50 AM
Carbon disulfide	ND	1000		µg/L	100	6/21/2011 3:31:50 AM
Carbon Tetrachloride	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Chlorobenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Chloroethane	ND	200		µg/L	100	6/21/2011 3:31:50 AM
Chloroform	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Chloromethane	ND	300		µg/L	100	6/21/2011 3:31:50 AM
2-Chlorotoluene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
4-Chlorotoluene	ND	100		µg/L	100	6/21/2011 3:31:50 AM

Qualifiers:

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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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:05:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
cis-1,2-DCE	ND	100		µg/L	100	6/21/2011 3:31:50 AM
cis-1,3-Dichloropropene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	6/21/2011 3:31:50 AM
Dibromochloromethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Dibromomethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2-Dichlorobenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,3-Dichlorobenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,4-Dichlorobenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Dichlorodifluoromethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,1-Dichloroethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,1-Dichloroethene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2-Dichloropropane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,3-Dichloropropane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
2,2-Dichloropropane	ND	200		µg/L	100	6/21/2011 3:31:50 AM
1,1-Dichloropropene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Hexachlorobutadiene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
2-Hexanone	ND	1000		µg/L	100	6/21/2011 3:31:50 AM
Isopropylbenzene	180	100		µg/L	100	6/21/2011 3:31:50 AM
4-Isopropyltoluene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
4-Methyl-2-pentanone	ND	1000		µg/L	100	6/21/2011 3:31:50 AM
Methylene Chloride	ND	300		µg/L	100	6/21/2011 3:31:50 AM
n-Butylbenzene	110	100		µg/L	100	6/21/2011 3:31:50 AM
n-Propylbenzene	350	100		µg/L	100	6/21/2011 3:31:50 AM
sec-Butylbenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Styrene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
tert-Butylbenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	6/21/2011 3:31:50 AM
Tetrachloroethene (PCE)	ND	100		µg/L	100	6/21/2011 3:31:50 AM
trans-1,2-DCE	ND	100		µg/L	100	6/21/2011 3:31:50 AM
trans-1,3-Dichloropropene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,1,1-Trichloroethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,1,2-Trichloroethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Trichloroethene (TCE)	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Trichlorofluoromethane	ND	100		µg/L	100	6/21/2011 3:31:50 AM
1,2,3-Trichloropropane	ND	200		µg/L	100	6/21/2011 3:31:50 AM
Vinyl chloride	ND	100		µg/L	100	6/21/2011 3:31:50 AM
Xylenes, Total	12000	150		µg/L	100	6/21/2011 3:31:50 AM

Qualifiers:

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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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:05:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: 1,2-Dichloroethane-d4	95.2	65.8-138		%REC	100	6/21/2011 3:31:50 AM
Surr: 4-Bromofluorobenzene	90.7	72.7-128		%REC	100	6/21/2011 3:31:50 AM
Surr: Dibromofluoromethane	88.2	69-135		%REC	100	6/21/2011 3:31:50 AM
Surr: Toluene-d8	103	86.1-134		%REC	100	6/21/2011 3:31:50 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	4700	0.010		µmhos/cm	1	6/17/2011 4:55:00 AM
SM4500-H+B: PH						Analyst: **LJB**
pH	9.09	0.100	H	pH units	1	6/17/2011 4:55:00 AM

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
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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:25:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	10	1.0		mg/L	1	6/19/2011 3:54:33 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/19/2011 3:54:33 AM
Surr: DNOP	131	97.7-132		%REC	1	6/19/2011 3:54:33 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	1.7	0.25		mg/L	5	6/20/2011 11:27:12 PM
Surr: BFB	141	65.4-141	S	%REC	5	6/20/2011 11:27:12 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	150	5.0		mg/L	50	6/17/2011 4:10:46 AM
Chloride	250	25		mg/L	50	6/17/2011 4:10:46 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	6/17/2011 3:59:32 AM
Bromide	ND	2.0		mg/L	20	6/23/2011 5:31:36 AM
Nitrogen, Nitrate (As N)	1.9	1.0		mg/L	10	6/17/2011 3:59:32 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/17/2011 3:59:32 AM
Sulfate	1200	25		mg/L	50	6/17/2011 4:10:46 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.049	0.010		mg/L	5	6/29/2011 9:55:33 PM
Cadmium	ND	0.010		mg/L	5	6/29/2011 9:55:33 PM
Calcium	44	5.0		mg/L	5	6/29/2011 9:55:33 PM
Chromium	ND	0.030		mg/L	5	6/29/2011 9:55:33 PM
Copper	ND	0.030		mg/L	5	6/29/2011 9:55:33 PM
Iron	12	1.0		mg/L	50	6/30/2011 7:34:08 PM
Lead	ND	0.025		mg/L	5	6/29/2011 9:55:33 PM
Magnesium	17	5.0		mg/L	5	6/29/2011 9:55:33 PM
Manganese	0.22	0.010		mg/L	5	6/29/2011 9:55:33 PM
Potassium	100	5.0		mg/L	5	6/29/2011 9:55:33 PM
Silver	ND	0.025		mg/L	5	6/29/2011 9:55:33 PM
Sodium	1100	50		mg/L	50	6/30/2011 7:34:08 PM
Zinc	0.43	0.050		mg/L	5	6/30/2011 7:31:15 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.090	0.0020		mg/L	1	6/23/2011 6:01:56 PM
Cadmium	ND	0.0020		mg/L	1	6/23/2011 6:01:56 PM
Chromium	0.027	0.0060		mg/L	1	6/23/2011 6:01:56 PM
Copper	0.017	0.0060		mg/L	1	6/23/2011 6:01:56 PM
Iron	13	1.0		mg/L	50	6/23/2011 6:10:06 PM
Lead	ND	0.0050		mg/L	1	6/23/2011 6:01:56 PM
Manganese	0.22	0.0020		mg/L	1	6/23/2011 6:01:56 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:25:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Silver	ND	0.0050		mg/L	1	6/23/2011 6:01:56 PM
Zinc	0.59	0.010		mg/L	1	6/23/2011 6:01:56 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.015	0.0050		mg/L	5	7/1/2011 6:56:31 PM
Selenium	0.024	0.0050		mg/L	5	7/1/2011 6:56:31 PM
Uranium	ND	0.0050		mg/L	5	7/5/2011 12:27:57 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.017	0.0025		mg/L	2.5	7/1/2011 4:05:49 PM
Selenium	0.019	0.0025		mg/L	2.5	7/1/2011 4:05:49 PM
Uranium	ND	0.0025		mg/L	2.5	7/1/2011 4:05:49 PM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	0.0011	0.00020		mg/L	1	6/17/2011 1:20:54 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Acenaphthylene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Aniline	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Anthracene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Azobenzene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Benz(a)anthracene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Benzo(a)pyrene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Benzoic acid	ND	100		µg/L	1	6/24/2011 6:15:32 PM
Benzyl alcohol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	6/24/2011 6:15:32 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Butyl benzyl phthalate	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Carbazole	ND	50		µg/L	1	6/24/2011 6:15:32 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
4-Chloroaniline	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2-Chloronaphthalene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2-Chlorophenol	ND	50		µg/L	1	6/24/2011 6:15:32 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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:25:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Chrysene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Di-n-butyl phthalate	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Di-n-octyl phthalate	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Dibenzofuran	ND	50		µg/L	1	6/24/2011 6:15:32 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Diethyl phthalate	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Dimethyl phthalate	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/24/2011 6:15:32 PM
2,4-Dimethylphenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/24/2011 6:15:32 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/24/2011 6:15:32 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Fluoranthene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Fluorene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Hexachlorobenzene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Hexachlorobutadiene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Hexachloroethane	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Isophorone	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2-Methylnaphthalene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2-Methylphenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
3+4-Methylphenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/24/2011 6:15:32 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	6/24/2011 6:15:32 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Naphthalene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2-Nitroaniline	ND	50		µg/L	1	6/24/2011 6:15:32 PM
3-Nitroaniline	ND	50		µg/L	1	6/24/2011 6:15:32 PM
4-Nitroaniline	ND	100		µg/L	1	6/24/2011 6:15:32 PM
Nitrobenzene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2-Nitrophenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
4-Nitrophenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Pentachlorophenol	ND	100		µg/L	1	6/24/2011 6:15:32 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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:25:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Phenanthrene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Phenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Pyrene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Pyridine	ND	50		µg/L	1	6/24/2011 6:15:32 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/24/2011 6:15:32 PM
Surr: 2,4,6-Tribromophenol	66.6	14.4-140		%REC	1	6/24/2011 6:15:32 PM
Surr: 2-Fluorobiphenyl	55.1	31.2-116		%REC	1	6/24/2011 6:15:32 PM
Surr: 2-Fluorophenol	50.4	11.8-102		%REC	1	6/24/2011 6:15:32 PM
Surr: 4-Terphenyl-d14	68.0	19.1-132		%REC	1	6/24/2011 6:15:32 PM
Surr: Nitrobenzene-d5	63.1	21.3-126		%REC	1	6/24/2011 6:15:32 PM
Surr: Phenol-d5	40.3	13.7-82.2		%REC	1	6/24/2011 6:15:32 PM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Toluene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Ethylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Naphthalene	ND	10		µg/L	5	6/21/2011 4:00:03 AM
1-Methylnaphthalene	ND	20		µg/L	5	6/21/2011 4:00:03 AM
2-Methylnaphthalene	ND	20		µg/L	5	6/21/2011 4:00:03 AM
Acetone	570	50		µg/L	5	6/21/2011 4:00:03 AM
Bromobenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Bromodichloromethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Bromoform	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Bromomethane	ND	15		µg/L	5	6/21/2011 4:00:03 AM
2-Butanone	97	50		µg/L	5	6/21/2011 4:00:03 AM
Carbon disulfide	ND	50		µg/L	5	6/21/2011 4:00:03 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Chlorobenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Chloroethane	ND	10		µg/L	5	6/21/2011 4:00:03 AM
Chloroform	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Chloromethane	ND	15		µg/L	5	6/21/2011 4:00:03 AM
2-Chlorotoluene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
4-Chlorotoluene	ND	5.0		µg/L	5	6/21/2011 4:00:03 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
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: *13-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:25:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
cis-1,2-DCE	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/21/2011 4:00:03 AM
Dibromochloromethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Dibromomethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
2,2-Dichloropropane	ND	10		µg/L	5	6/21/2011 4:00:03 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
2-Hexanone	ND	50		µg/L	5	6/21/2011 4:00:03 AM
Isopropylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/21/2011 4:00:03 AM
Methylene Chloride	ND	15		µg/L	5	6/21/2011 4:00:03 AM
n-Butylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
n-Propylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
sec-Butylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Styrene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
tert-Butylbenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/21/2011 4:00:03 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
trans-1,2-DCE	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/21/2011 4:00:03 AM
Vinyl chloride	ND	5.0		µg/L	5	6/21/2011 4:00:03 AM
Xylenes, Total	ND	7.5		µg/L	5	6/21/2011 4:00:03 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
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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1106759	**Collection Date:**	6/15/2011 2:25:00 PM
Project:	2nd Qtr 2011	**Date Received:**	6/16/2011
Lab ID:	1106759-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Surr: 1,2-Dichloroethane-d4	88.3	65.8-138		%REC	5	6/21/2011 4:00:03 AM
Surr: 4-Bromofluorobenzene	85.2	72.7-128		%REC	5	6/21/2011 4:00:03 AM
Surr: Dibromofluoromethane	85.1	69-135		%REC	5	6/21/2011 4:00:03 AM
Surr: Toluene-d8	93.9	86.1-134		%REC	5	6/21/2011 4:00:03 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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110621042
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1106759
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110621042-001	**Sampling Date**	6/16/2011	**Date/Time Received**	6/21/2011 12:06 PM
Client Sample ID	1106759-01F / PIOLET EFF	**Sampling Time**	7:30 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	638	mg/L	5	6/23/2011	KAS	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

Monday, June 27, 2011

QA/QC SUMMARY REPORT

Western Refining Southwest, Gallup

2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-27275		*MBLK*				Batch ID:	**27275**	Analysis Date:	6/21/2011 2:40:32 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB-27275		*MBLK*				Batch ID:	**27275**	Analysis Date:	6/22/2011 1:44:54 PM		
Manganese	ND	mg/L	0.0020								
Sample ID: MB		*MBLK*				Batch ID:	**R46320**	Analysis Date:	7/1/2011 12:19:19 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
I	ND	mg/L	0.020								
L	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID:	**R46432**	Analysis Date:	7/11/2011 1:08:05 PM		
Barium	ND	mg/L	0.0020								
Iron	ND	mg/L	0.020								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-27275		*LCS*				Batch ID:	**27275**	Analysis Date:	6/21/2011 2:44:17 PM		
Arsenic	0.5384	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5017	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5054	mg/L	0.0020	0.5	0.0002	101	85	115			
Chromium	0.5170	mg/L	0.0060	0.5	0.0011	103	85	115			
Copper	0.5134	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5027	mg/L	0.020	0.5	0	101	85	115			
Lead	0.5148	mg/L	0.0050	0.5	0	103	85	115			
Selenium	0.5309	mg/L	0.050	0.5	0	106	85	115			
Silver	0.1024	mg/L	0.0050	0.1	0	102	85	115			
Zinc	0.5335	mg/L	0.010	0.5	0.002	106	85	115			
Sample ID: LCS-27275		*LCS*				Batch ID:	**27275**	Analysis Date:	6/22/2011 1:48:40 PM		
Manganese	0.5211	mg/L	0.0020	0.5	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46320**	Analysis Date:	7/1/2011 12:25:17 PM		

ders:

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: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R46320**	Analysis Date:	7/1/2011 12:25:17 PM		
Barium	0.4982	mg/L	0.0020	0.5	0	99.6	85	115			
Cadmium	0.4902	mg/L	0.0020	0.5	0.0002	98.0	85	115			
Calcium	50.89	mg/L	1.0	50.5	0.0706	101	85	115			
Chromium	0.5078	mg/L	0.0060	0.5	0.0013	101	85	115			
Copper	0.5011	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.5081	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5009	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	49.45	mg/L	1.0	50.5	0.0712	97.8	85	115			
Manganese	0.5002	mg/L	0.0020	0.5	0.0004	100	85	115			
Potassium	47.49	mg/L	1.0	55	0.118	86.1	85	115			
Silver	0.1004	mg/L	0.0050	0.1	0	100	85	115			
Sodium	47.97	mg/L	1.0	50.5	0.0744	94.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46432**	Analysis Date:	7/11/2011 1:36:40 PM		
Barium	0.5084	mg/L	0.0020	0.5	0	102	85	115			
Iron	0.5129	mg/L	0.020	0.5	0	103	85	115			
Zinc	0.5426	mg/L	0.010	0.5	0	109	85	115			

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

Western Refining Southwest, Gallup

t: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46049**	Analysis Date:	6/21/2011 2:15:04 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sum Cations	0.03093	mg/L	0								
Sample ID: MB		*MBLK*				Batch ID:	**R46049**	Analysis Date:	6/21/2011 2:29:39 PM		
Iron	ND	mg/L	0.020								
Sample ID: MB		*MBLK*				Batch ID:	**R46231**	Analysis Date:	6/29/2011 3:04:33 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
l	ND	mg/L	0.0050								
M. ium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R46231**	Analysis Date:	6/29/2011 3:12:49 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R46268**	Analysis Date:	6/30/2011 3:53:15 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								

ers:

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: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 3:53:15 PM		
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46268**		Analysis Date:	6/30/2011 4:03:12 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46320**		Analysis Date:	7/1/2011 12:11:17 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID: **R46351**		Analysis Date:	7/6/2011 1:31:28 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								

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

C Western Refining Southwest, Gallup
Pr 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R46351**		Analysis Date:	7/6/2011 1:31:28 PM		
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46351**		Analysis Date:	7/6/2011 1:38:40 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Si	ND	mg/L	0.0050								
Sc	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: ICV		*MBLK*				Batch ID: **R46432**		Analysis Date:	7/11/2011 12:46:40 PM		
Barium	0.4968	mg/L	0.0020								
Iron	0.4933	mg/L	0.020								
Zinc	0.4975	mg/L	0.010								
Sample ID: ICB		*MBLK*				Batch ID: **R46432**		Analysis Date:	7/11/2011 12:49:19 PM		
Barium	ND	mg/L	0.0020								
Iron	ND	mg/L	0.020								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46432**		Analysis Date:	7/11/2011 1:08:05 PM		
Barium	ND	mg/L	0.0020								
Iron	ND	mg/L	0.020								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: **R46049**		Analysis Date:	6/21/2011 2:18:50 PM		
Barium	0.5086	mg/L	0.0020	0.5	0	102	85	115			
Cadmium	0.5023	mg/L	0.0020	0.5	0.0002	100	85	115			
Chromium	0.5289	mg/L	0.0060	0.5	0.0006	106	85	115			
Copper	0.5169	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5240	mg/L	0.020	0.5	0	105	85	115			
Lead	0.5113	mg/L	0.0050	0.5	0	102	85	115			
Manganese	0.5109	mg/L	0.0020	0.5	0.0002	102	85	115			
Silver	0.1020	mg/L	0.0050	0.1	0	102	85	115			
Zinc	0.5402	mg/L	0.010	0.5	0	108	85	115			

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: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R46231**	Analysis Date:		6/29/2011 3:09:24 PM	
Barium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5001	mg/L	0.0020	0.5	0	100	85	115			
Calcium	53.18	mg/L	1.0	50.5	0.0247	105	85	115			
Chromium	0.5155	mg/L	0.0060	0.5	0	103	85	115			
Copper	0.4945	mg/L	0.0060	0.5	0	98.9	85	115			
Iron	0.5010	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5095	mg/L	0.0050	0.5	0	102	85	115			
Magnesium	50.86	mg/L	1.0	50.5	0.0229	101	85	115			
Manganese	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Potassium	48.58	mg/L	1.0	55	0	88.3	85	115			
Silver	0.09939	mg/L	0.0050	0.1	0	99.4	85	115			
Sodium	49.03	mg/L	1.0	50.5	0	97.1	85	115			
Zinc	0.5436	mg/L	0.010	0.5	0	109	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:		6/30/2011 3:57:35 PM	
Barium	0.4917	mg/L	0.0020	0.5	0	98.3	85	115			
Cadmium	0.4893	mg/L	0.0020	0.5	0.0002	97.8	85	115			
Calcium	49.31	mg/L	1.0	50.5	0	97.6	85	115			
Chromium	0.5035	mg/L	0.0060	0.5	0.0004	101	85	115			
Copper	0.5183	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4853	mg/L	0.020	0.5	0	97.1	85	115			
Lead	0.4840	mg/L	0.0050	0.5	0	96.8	85	115			
Magnesium	50.23	mg/L	1.0	50.5	0	99.5	85	115			
Manganese	0.4945	mg/L	0.0020	0.5	0	98.9	85	115			
Potassium	49.17	mg/L	1.0	55	0	89.4	85	115			
Silver	0.1013	mg/L	0.0050	0.1	0	101	85	115			
Sodium	49.83	mg/L	1.0	50.5	0	98.7	85	115			
Zinc	0.5066	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46268**	Analysis Date:		6/30/2011 4:07:30 PM	
Barium	0.4948	mg/L	0.0020	0.5	0	99.0	85	115			
Cadmium	0.4921	mg/L	0.0020	0.5	0.0003	98.4	85	115			
Calcium	50.31	mg/L	1.0	50.5	0	99.6	85	115			
Chromium	0.5124	mg/L	0.0060	0.5	0	102	85	115			
Copper	0.5163	mg/L	0.0060	0.5	0.0019	103	85	115			
Iron	0.4890	mg/L	0.020	0.5	0	97.8	85	115			
Lead	0.4890	mg/L	0.0050	0.5	0.0018	97.4	85	115			
Magnesium	50.83	mg/L	1.0	50.5	0	101	85	115			
Manganese	0.4972	mg/L	0.0020	0.5	0	99.4	85	115			
Potassium	49.78	mg/L	1.0	55	0	90.5	85	115			
Silver	0.1023	mg/L	0.0050	0.1	0	102	85	115			
Sodium	50.39	mg/L	1.0	50.5	0	99.8	85	115			
Zinc	0.5188	mg/L	0.010	0.5	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46320**	Analysis Date:		7/1/2011 12:15:39 PM	
Barium	0.4929	mg/L	0.0020	0.5	0	98.6	85	115			
Cadmium	0.4887	mg/L	0.0020	0.5	0	97.7	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

C Western Refining Southwest, Gallup
Pr... 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R46320**	Analysis Date:	7/1/2011 12:15:39 PM		
Calcium	50.31	mg/L	1.0	50.5	0.0379	99.6	85	115			
Chromium	0.5057	mg/L	0.0060	0.5	0.0006	101	85	115			
Copper	0.5043	mg/L	0.0060	0.5	0	101	85	115			
Iron	0.4969	mg/L	0.020	0.5	0.0103	97.3	85	115			
Lead	0.4934	mg/L	0.0050	0.5	0	98.7	85	115			
Magnesium	49.56	mg/L	1.0	50.5	0.0382	98.1	85	115			
Manganese	0.4946	mg/L	0.0020	0.5	0	98.9	85	115			
Potassium	47.75	mg/L	1.0	55	0.0875	86.7	85	115			
Silver	0.09939	mg/L	0.0050	0.1	0	99.4	85	115			
Sodium	48.36	mg/L	1.0	50.5	0	95.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46351**	Analysis Date:	7/6/2011 1:35:15 PM		
Calcium	49.15	mg/L	1.0	50	0	98.3	85	115			
Magnesium	48.84	mg/L	1.0	50	0	97.7	85	115			
Potassium	47.36	mg/L	1.0	50	0	94.7	85	115			
Sodium	47.95	mg/L	1.0	50	0	95.9	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46351**	Analysis Date:	7/6/2011 1:41:54 PM		
Barium	0.4839	mg/L	0.0020	0.5	0	96.8	85	115			
Cadmium	0.4766	mg/L	0.0020	0.5	0	95.3	85	115			
C	50.40	mg/L	1.0	50	0	101	85	115			
Ch...m	0.5017	mg/L	0.0060	0.5	0.0006	100	85	115			
Copper	0.4884	mg/L	0.0060	0.5	0	97.7	85	115			
Iron	0.4926	mg/L	0.020	0.5	0	98.5	85	115			
Lead	0.4839	mg/L	0.0050	0.5	0	96.8	85	115			
Magnesium	49.07	mg/L	1.0	50	0	98.1	85	115			
Manganese	0.4872	mg/L	0.0020	0.5	0	97.4	85	115			
Potassium	47.33	mg/L	1.0	50	0.0895	94.5	85	115			
Silver	0.09765	mg/L	0.0050	0.1	0	97.7	85	115			
Sodium	47.77	mg/L	1.0	50	0	95.5	85	115			
Zinc	0.5204	mg/L	0.010	0.5	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46351**	Analysis Date:	7/6/2011 1:45:36 PM		
Barium	0.5206	mg/L	0.0020	0.5	0	104	85	115			
Cadmium	0.5136	mg/L	0.0020	0.5	0.0003	103	85	115			
Chromium	0.5376	mg/L	0.0060	0.5	0	108	85	115			
Copper	0.5301	mg/L	0.0060	0.5	0	106	85	115			
Iron	0.5219	mg/L	0.020	0.5	0	104	85	115			
Lead	0.5306	mg/L	0.0050	0.5	0	106	85	115			
Manganese	0.5360	mg/L	0.0020	0.5	0	107	85	115			
Silver	0.1018	mg/L	0.0050	0.1	0	102	85	115			
Zinc	0.5636	mg/L	0.010	0.5	0	113	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46432**	Analysis Date:	7/11/2011 1:36:40 PM		
Barium	0.5084	mg/L	0.0020	0.5	0	102	85	115			
Iron	0.5129	mg/L	0.020	0.5	0	103	85	115			
Zinc	0.5426	mg/L	0.010	0.5	0	109	85	115			

...ers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:44:02 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:40:13 AM		
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:05:22 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R46316**	Analysis Date:	7/1/2011 4:47:45 PM		
Arsenic	0.02521	mg/L	0.0010	0.025	0	101	85	115			
Selenium	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Uranium	0.02391	mg/L	0.0010	0.025	0	95.6	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46328**	Analysis Date:	7/5/2011 11:43:23 AM		
Uranium	0.02725	mg/L	0.0010	0.025	0	109	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:09:04 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02745	mg/L	0.0010	0.025	0	110	85	115			
Uranium	0.02719	mg/L	0.0010	0.025	0	109	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-27275		*MBLK*				Batch ID:	**27275**	Analysis Date:	7/1/2011 3:43:36 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:05:22 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:09:04 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02745	mg/L	0.0010	0.025	0	110	85	115			
Uranium	0.02719	mg/L	0.0010	0.025	0	109	85	115			

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

Cli: Western Refining Southwest, Gallup
Proj: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 245.1: Mercury											
Sample ID: MB-27268		*MBLK*				Batch ID:	**27268**	Analysis Date:	6/20/2011 3:05:43 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: MB-27250		*MBLK*				Batch ID:	**27250**	Analysis Date:	6/17/2011 12:32:27 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-27268		*LCS*				Batch ID:	**27268**	Analysis Date:	6/20/2011 3:07:32 PM		
Mercury	0.004914	mg/L	0.00020	0.005	3E-06	98.2	80	120			
Sample ID: LCS-27250		*LCS*				Batch ID:	**27250**	Analysis Date:	6/17/2011 12:34:11 PM		
Mercury	0.004930	mg/L	0.00020	0.005	0	98.6	80	120			

Qu s:

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: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 9:16:28 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 7:34:05 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45990**	Analysis Date:	6/17/2011 6:25:32 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R46093**	Analysis Date:	6/22/2011 11:33:28 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R46093**	Analysis Date:	6/22/2011 11:32:14 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 9:27:42 AM		
Fluoride	0.5146	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.916	mg/L	0.50	5	0	98.3	90	110			
Nitrogen, Nitrite (As N)	0.9935	mg/L	0.10	1	0	99.4	90	110			
Bromide	2.539	mg/L	0.10	2.5	0	102	90	110			
Nitrogen, Nitrate (As N)	2.538	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.051	mg/L	0.50	5	0	101	90	110			

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

C Western Refining Southwest, Gallup
Pr... 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 9:27:42 AM		
Sulfate	9.940	mg/L	0.50	10	0	99.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:	6/16/2011 7:45:19 PM		
Fluoride	0.4778	mg/L	0.10	0.5	0	95.6	90	110			
Chloride	4.560	mg/L	0.50	5	0	91.2	90	110			
Nitrogen, Nitrite (As N)	0.9253	mg/L	0.10	1	0	92.5	90	110			
Bromide	2.338	mg/L	0.10	2.5	0	93.5	90	110			
Nitrogen, Nitrate (As N)	2.340	mg/L	0.10	2.5	0	93.6	90	110			
Phosphorus, Orthophosphate (As P)	4.681	mg/L	0.50	5	0	93.6	90	110			
Sulfate	9.161	mg/L	0.50	10	0	91.6	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45990**	Analysis Date:	6/17/2011 6:36:46 AM		
Fluoride	0.4842	mg/L	0.10	0.5	0	96.8	90	110			
Chloride	4.584	mg/L	0.50	5	0	91.7	90	110			
Phosphorus, Orthophosphate (As P)	4.673	mg/L	0.50	5	0	93.5	90	110			
Sulfate	9.179	mg/L	0.50	10	0	91.8	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R46093**	Analysis Date:	6/22/2011 11:44:42 AM		
Fluoride	0.4779	mg/L	0.10	0.5	0	95.6	90	110			
Chloride	4.701	mg/L	0.50	5	0	94.0	90	110			
Nitr...n, Nitrite (As N)	0.9463	mg/L	0.10	1	0	94.6	90	110			
B...	2.369	mg/L	0.10	2.5	0	94.7	90	110			
Nitrogen, Nitrate (As N)	2.413	mg/L	0.10	2.5	0	96.5	90	110			
Phosphorus, Orthophosphate (As P)	4.714	mg/L	0.50	5	0	94.3	90	110			
Sulfate	9.517	mg/L	0.50	10	0	95.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R46093**	Analysis Date:	6/22/2011 11:43:28 PM		
Fluoride	0.5072	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.757	mg/L	0.50	5	0	95.1	90	110			
Nitrogen, Nitrite (As N)	0.9445	mg/L	0.10	1	0	94.5	90	110			
Bromide	2.315	mg/L	0.10	2.5	0	92.6	90	110			
Nitrogen, Nitrate (As N)	2.437	mg/L	0.10	2.5	0	97.5	90	110			
Phosphorus, Orthophosphate (As P)	4.920	mg/L	0.50	5	0	98.4	90	110			
Sulfate	9.713	mg/L	0.50	10	0	97.1	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-27248		*MBLK*				Batch ID:	**27248**	Analysis Date:	6/18/2011 7:55:02 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-27248		*LCS*				Batch ID:	**27248**	Analysis Date:	6/19/2011 5:44:59 PM		
Diesel Range Organics (DRO)	6.109	mg/L	1.0	5	0	122	74	157			
Sample ID: LCSD-27248		*LCSD*				Batch ID:	**27248**	Analysis Date:	6/18/2011 9:04:23 PM		
Diesel Range Organics (DRO)	6.596	mg/L	1.0	5	0	132	74	157	7.66	23	

Q... ...ers:

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: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R46033**	Analysis Date:	6/20/2011 10:23:05 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R46103**	Analysis Date:	6/22/2011 9:49:22 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R46033**	Analysis Date:	6/20/2011 12:18:52 PM		
Gasoline Range Organics (GRO)	0.5096	mg/L	0.050	0.5	0	102	81.8	120			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R46103**	Analysis Date:	6/22/2011 12:23:15 PM		
Gasoline Range Organics (GRO)	0.5154	mg/L	0.050	0.5	0	103	81.8	120			

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

Cli: Western Refining Southwest, Gallup
Pro: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				**Batch ID: R46044**		**Analysis Date: 6/20/2011 12:28:49 PM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*					Batch ID: **R46044**		Analysis Date:	6/20/2011 12:28:49 PM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*					Batch ID: **R46062**		Analysis Date:	6/21/2011 1:17:37 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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

C: Western Refining Southwest, Gallup
Pro_ect: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*									
						Batch ID: **R46062**		Analysis Date:	6/21/2011 1:17:37 PM		
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*									
						Batch ID: **R46044**		Analysis Date:	6/20/2011 12:00:40 PM		

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: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R46044**	Analysis Date:		6/20/2011 12:00:40 PM	
Benzene	20.59	µg/L	1.0	20	0	103	81.1	130			
Toluene	22.36	µg/L	1.0	20	0	112	82.3	122			
Chlorobenzene	21.45	µg/L	1.0	20	0	107	70	130			
1,1-Dichloroethene	21.53	µg/L	1.0	20	0	108	83.1	126			
Trichloroethene (TCE)	18.14	µg/L	1.0	20	0	90.7	67.4	137			
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R46062**	Analysis Date:		6/21/2011 12:49:27 PM	
Benzene	21.54	µg/L	1.0	20	0	108	81.1	130			
Toluene	21.93	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	21.82	µg/L	1.0	20	0	109	70	130			
1,1-Dichloroethene	21.79	µg/L	1.0	20	0	109	83.1	126			
Trichloroethene (TCE)	18.37	µg/L	1.0	20	0	91.9	67.4	137			

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

Cli Western Refining Southwest, Gallup
Project: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27282		*MBLK*				**Batch ID: 27282**		**Analysis Date: 6/24/2011 12:12:34 PM**			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Ca	ND	µg/L	10								
4-C 3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27282		*MBLK*				**Batch ID: 27282**		**Analysis Date: 6/24/2011 12:12:34 PM**			
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-27282		*LCS*				**Batch ID: 27282**		**Analysis Date: 6/24/2011 12:42:24 PM**			
Acenaphthene	80.56	µg/L	10	100	0	80.6	31.7	107			
4-Chloro-3-methylphenol	157.5	µg/L	10	200	0	78.7	24.4	123			
2-Chlorophenol	124.6	µg/L	10	200	0	62.3	24.7	104			
1,4-Dichlorobenzene	71.46	µg/L	10	100	0	71.5	20.3	95			
2,4-Dinitrotoluene	82.02	µg/L	10	100	0	82.0	22.4	106			
N-Nitrosodi-n-propylamine	72.98	µg/L	10	100	0	73.0	25.3	107			
4-Nitrophenol	63.86	µg/L	10	200	5.58	29.1	11.6	110			
Pentachlorophenol	91.90	µg/L	20	200	0	46.0	19.5	113			
Phenol	86.60	µg/L	10	200	0	43.3	16.1	69.3			
Pyrene	77.68	µg/L	10	100	0	77.7	38.3	99.3			
1,2,4-Trichlorobenzene	77.96	µg/L	10	100	0	78.0	25	97.3			
Sample ID: lcsd-27282		*LCSD*				**Batch ID: 27282**		**Analysis Date: 6/24/2011 11:46:36 PM**			
Acenaphthene	82.70	µg/L	10	100	0	82.7	31.7	107	2.62	20	
4-Chloro-3-methylphenol	147.9	µg/L	10	200	0	74.0	24.4	123	6.25	20	
2-Chlorophenol	88.18	µg/L	10	200	0	44.1	24.7	104	34.2	20	R
1,4-Dichlorobenzene	72.64	µg/L	10	100	0	72.6	20.3	95	1.64	20	
2,4-Dinitrotoluene	77.38	µg/L	10	100	0	77.4	22.4	106	5.82	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

C Western Refining Southwest, Gallup
Pr...ct: 2nd Qtr 2011 **Work Order:** 1106759

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-27282		*LCSD*				Batch ID:	**27282**	Analysis Date:		6/24/2011 11:46:36 PM	
N-Nitrosodi-n-propylamine	71.26	µg/L	10	100	0	71.3	25.3	107	2.38	20	
4-Nitrophenol	37.58	µg/L	10	200	5.58	16.0	11.6	110	51.8	20	R
Pentachlorophenol	74.44	µg/L	20	200	0	37.2	19.5	113	21.0	20	R
Phenol	72.66	µg/L	10	200	0	36.3	16.1	69.3	17.5	20	
Pyrene	77.06	µg/L	10	100	0	77.1	38.3	99.3	0.801	20	
1,2,4-Trichlorobenzene	79.56	µg/L	10	100	0	79.6	25	97.3	2.03	20	
Method: SM5210B: BOD											
Sample ID: MB-27246		*MBLK*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-27246		*MBLK*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-27246		*LCS*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	173.7	mg/L	2.0	198	0	87.7	84.6	115.4			
Sample ID: LCSD-27246		*LCSD*				Batch ID:	**27246**	Analysis Date:		6/22/2011 9:15:00 AM	
Biochemical Oxygen Demand	174.7	mg/L	2.0	198	0	88.2	84.6	115.4	0.574	20	

...fiers:

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: 6/16/2011

Work Order Number 1106759 | Received by: LNM

Checklist completed by: Signature 6/16/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.9°	<6° C *Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 9

(<2 >12 *unless noted below.*)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1mL HNO3 to -03D for acceptable pH. MG 6/16/11

Corrective Action _____

Ch[illegible]-of-Custody Record

Client: Western Gallup

Mailing Address:

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: 2nd Qtr 2011

Project #: Effluents

Project Manager: Cheryl Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.9

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. 1105750	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)	[illegible] Cations/Anions	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA) + phenols	BOD	COD	WQCC Metals Tot + Dissolved	Gen Chem	Air Bubbles (Y or N)
6/16/11	0730	AQ	Pilot Eff. *			1			X							X		X	X	X		
6/15/11	1405	"	NAPLS Eff			2			X							X	X			X	X	
6/15/11	1425	"	AL-2 to EP-1			3			X				X			X	X			X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16/11	0930			6/16/11	1305
Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16/11	1105				

Remarks: * Caution - may Contain Biohazards. Gen Chem: Anions, Cations, pH, Spec Cond

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, July 19, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2nd QTR 2011

Order No.: 1106890

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 10 sample(s) on 6/21/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1106890	**Collection Date:**	6/20/2011 9:50:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Methyl tert-butyl ether (MTBE)	1300	20		µg/L	20	6/24/2011 4:37:16 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 12:56:31 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 12:56:31 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 12:56:31 AM
Acetone	ND	10		µg/L	1	6/24/2011 12:56:31 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 12:56:31 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 12:56:31 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 12:56:31 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 12:56:31 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 12:56:31 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 12:56:31 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 12:56:31 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 12:56:31 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
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1106890	**Collection Date:**	6/20/2011 9:50:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 12:56:31 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 12:56:31 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 12:56:31 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 12:56:31 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 12:56:31 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 12:56:31 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 12:56:31 AM
Surr: 1,2-Dichloroethane-d4	91.1	65.8-138		%REC	1	6/24/2011 12:56:31 AM
Surr: 4-Bromofluorobenzene	99.4	72.7-128		%REC	1	6/24/2011 12:56:31 AM
Surr: Dibromofluoromethane	88.8	69-135		%REC	1	6/24/2011 12:56:31 AM
Surr: Toluene-d8	101	86.1-134		%REC	1	6/24/2011 12:56:31 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
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1106890	**Collection Date:**	6/20/2011 10:50:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	1800	50		µg/L	50	6/24/2011 5:06:01 PM
Toluene	1.5	1.0		µg/L	1	6/24/2011 1:24:40 AM
Ethylbenzene	61	1.0		µg/L	1	6/24/2011 1:24:40 AM
Methyl tert-butyl ether (MTBE)	1600	50		µg/L	50	6/24/2011 5:06:01 PM
1,2,4-Trimethylbenzene	1.1	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2-Dichloroethane (EDC)	1.7	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Naphthalene	2.1	2.0		µg/L	1	6/24/2011 1:24:40 AM
1-Methylnaphthalene	20	4.0		µg/L	1	6/24/2011 1:24:40 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 1:24:40 AM
Acetone	ND	10		µg/L	1	6/24/2011 1:24:40 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 1:24:40 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 1:24:40 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 1:24:40 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 1:24:40 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 1:24:40 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 1:24:40 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,1-Dichloroethane	1.2	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 1:24:40 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 1:24:40 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1106890	**Collection Date:**	6/20/2011 10:50:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 1:24:40 AM
Isopropylbenzene	6.8	1.0		µg/L	1	6/24/2011 1:24:40 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 1:24:40 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 1:24:40 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
n-Propylbenzene	2.1	1.0		µg/L	1	6/24/2011 1:24:40 AM
sec-Butylbenzene	2.4	1.0		µg/L	1	6/24/2011 1:24:40 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 1:24:40 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 1:24:40 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 1:24:40 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 1:24:40 AM
Surr: 1,2-Dichloroethane-d4	95.1	65.8-138		%REC	1	6/24/2011 1:24:40 AM
Surr: 4-Bromofluorobenzene	106	72.7-128		%REC	1	6/24/2011 1:24:40 AM
Surr: Dibromofluoromethane	92.3	69-135		%REC	1	6/24/2011 1:24:40 AM
Surr: Toluene-d8	103	86.1-134		%REC	1	6/24/2011 1:24:40 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
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1106890	**Collection Date:**	6/20/2011 11:45:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Methyl tert-butyl ether (MTBE)	470	10		µg/L	10	6/24/2011 5:34:45 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 2:20:57 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 2:20:57 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 2:20:57 AM
Acetone	ND	10		µg/L	1	6/24/2011 2:20:57 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 2:20:57 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 2:20:57 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 2:20:57 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 2:20:57 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 2:20:57 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 2:20:57 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 2:20:57 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 2:20:57 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1106890	**Collection Date:**	6/20/2011 11:45:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 2:20:57 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 2:20:57 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 2:20:57 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 2:20:57 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 2:20:57 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 2:20:57 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 2:20:57 AM
Surr: 1,2-Dichloroethane-d4	90.7	65.8-138		%REC	1	6/24/2011 2:20:57 AM
Surr: 4-Bromofluorobenzene	101	72.7-128		%REC	1	6/24/2011 2:20:57 AM
Surr: Dibromofluoromethane	84.7	69-135		%REC	1	6/24/2011 2:20:57 AM
Surr: Toluene-d8	104	86.1-134		%REC	1	6/24/2011 2:20:57 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
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1106890	**Collection Date:**	6/20/2011 1:56:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Methyl tert-butyl ether (MTBE)	4.8	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 2:49:12 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 2:49:12 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 2:49:12 AM
Acetone	ND	10		µg/L	1	6/24/2011 2:49:12 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 2:49:12 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 2:49:12 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 2:49:12 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 2:49:12 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 2:49:12 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 2:49:12 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 2:49:12 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 2:49:12 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1106890	**Collection Date:**	6/20/2011 1:56:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 2:49:12 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 2:49:12 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 2:49:12 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 2:49:12 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 2:49:12 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 2:49:12 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 2:49:12 AM
Surr: 1,2-Dichloroethane-d4	83.7	65.8-138		%REC	1	6/24/2011 2:49:12 AM
Surr: 4-Bromofluorobenzene	97.7	72.7-128		%REC	1	6/24/2011 2:49:12 AM
Surr: Dibromofluoromethane	81.4	69-135		%REC	1	6/24/2011 2:49:12 AM
Surr: Toluene-d8	105	86.1-134		%REC	1	6/24/2011 2:49:12 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
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:10:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2011 9:39:58 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2011 9:39:58 PM
Surr: DNOP	117	97.7-132		%REC	1	6/22/2011 9:39:58 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.053	0.050		mg/L	1	6/23/2011 1:29:59 PM
Surr: BFB	110	65.4-141		%REC	1	6/23/2011 1:29:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	ND	0.50		mg/L	5	6/23/2011 7:46:23 AM
Chloride	300	10		mg/L	20	6/22/2011 3:35:45 AM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	6/22/2011 3:35:45 AM
Bromide	0.75	0.10		mg/L	1	6/22/2011 2:43:32 AM
Nitrogen, Nitrate (As N)	0.52	0.10		mg/L	1	6/22/2011 2:43:32 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/22/2011 2:43:32 AM
Sulfate	140	10		mg/L	20	6/22/2011 3:35:45 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.034	0.0020		mg/L	1	7/11/2011 5:51:51 PM
Cadmium	ND	0.0020		mg/L	1	7/1/2011 2:58:14 PM
Calcium	34	1.0		mg/L	1	7/11/2011 5:51:51 PM
Chromium	ND	0.0060		mg/L	1	7/11/2011 5:51:51 PM
Copper	ND	0.0060		mg/L	1	7/1/2011 2:58:14 PM
Iron	ND	0.020		mg/L	1	7/11/2011 5:51:51 PM
Lead	ND	0.0050		mg/L	1	7/11/2011 5:51:51 PM
Magnesium	4.8	1.0		mg/L	1	7/11/2011 5:51:51 PM
Manganese	0.0055	0.0020		mg/L	1	7/1/2011 2:58:14 PM
Potassium	ND	1.0		mg/L	1	7/1/2011 2:58:14 PM
Silver	ND	0.0050		mg/L	1	7/1/2011 2:58:14 PM
Sodium	400	5.0		mg/L	5	7/11/2011 5:55:17 PM
Zinc	0.16	0.010		mg/L	1	7/11/2011 5:51:51 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.038	0.0020		mg/L	1	6/30/2011 9:51:20 AM
Cadmium	ND	0.0020		mg/L	1	6/30/2011 9:51:20 AM
Chromium	ND	0.0060		mg/L	1	6/30/2011 9:51:20 AM
Copper	ND	0.0060		mg/L	1	6/30/2011 9:51:20 AM
Iron	ND	0.020		mg/L	1	6/30/2011 9:51:20 AM
Lead	ND	0.0050		mg/L	1	6/30/2011 9:51:20 AM
Manganese	0.0086	0.0020		mg/L	1	6/30/2011 9:51:20 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
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:10:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Silver	ND	0.0050		mg/L	1	6/30/2011 9:51:20 AM
Sodium	410	5.0		mg/L	5	6/30/2011 9:54:45 AM
Zinc	ND	0.010		mg/L	1	6/30/2011 9:51:20 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0020	0.0010		mg/L	1	7/6/2011 4:41:58 PM
Selenium	0.015	0.0010		mg/L	1	7/6/2011 4:41:58 PM
Uranium	0.052	0.0020		mg/L	2	7/6/2011 5:12:46 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	7/7/2011 6:25:05 PM
Selenium	0.013	0.0025		mg/L	2.5	7/7/2011 6:25:05 PM
Uranium	0.057	0.0025		mg/L	2.5	7/11/2011 11:11:13 AM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/28/2011 2:41:47 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Methyl tert-butyl ether (MTBE)	46	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 3:17:38 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 3:17:38 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 3:17:38 AM
Acetone	ND	10		µg/L	1	6/24/2011 3:17:38 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 3:17:38 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 3:17:38 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 3:17:38 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 3:17:38 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 3:17:38 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:10:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Chloromethane	ND	3.0		µg/L	1	6/24/2011 3:17:38 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 3:17:38 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,1-Dichloroethane	1.3	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 3:17:38 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 3:17:38 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 3:17:38 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 3:17:38 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 3:17:38 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 3:17:38 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:10:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 3:17:38 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 3:17:38 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 3:17:38 AM
Surr: 1,2-Dichloroethane-d4	86.6	65.8-138		%REC	1	6/24/2011 3:17:38 AM
Surr: 4-Bromofluorobenzene	101	72.7-128		%REC	1	6/24/2011 3:17:38 AM
Surr: Dibromofluoromethane	82.6	69-135		%REC	1	6/24/2011 3:17:38 AM
Surr: Toluene-d8	105	86.1-134		%REC	1	6/24/2011 3:17:38 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	2000	0.010		µmhos/cm	1	6/22/2011 5:20:00 AM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.42	0.100	H	pH units	1	6/22/2011 5:20:00 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
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:40:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2011 10:48:44 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2011 10:48:44 PM
Surr: DNOP	105	97.7-132		%REC	1	6/22/2011 10:48:44 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/23/2011 1:58:49 PM
Surr: BFB	110	65.4-141		%REC	1	6/23/2011 1:58:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.33	0.10		mg/L	1	6/22/2011 5:02:48 AM
Chloride	64	10		mg/L	20	6/22/2011 5:20:12 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	6/22/2011 5:02:48 AM
Bromide	0.30	0.10		mg/L	1	6/22/2011 5:02:48 AM
Nitrogen, Nitrate (As N)	0.50	0.10		mg/L	1	6/22/2011 5:02:48 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/22/2011 5:02:48 AM
Sulfate	180	10		mg/L	20	6/22/2011 5:20:12 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.034	0.0020		mg/L	1	7/11/2011 5:58:30 PM
Cadmium	ND	0.0020		mg/L	1	7/1/2011 3:01:42 PM
Calcium	2.0	1.0		mg/L	1	7/11/2011 5:58:30 PM
Chromium	ND	0.0060		mg/L	1	7/11/2011 5:58:30 PM
Copper	ND	0.0060		mg/L	1	7/1/2011 3:01:42 PM
Iron	ND	0.020		mg/L	1	7/11/2011 5:58:30 PM
Lead	ND	0.0050		mg/L	1	7/11/2011 5:58:30 PM
Magnesium	ND	1.0		mg/L	1	7/11/2011 5:58:30 PM
Manganese	0.0045	0.0020		mg/L	1	7/1/2011 3:01:42 PM
Potassium	ND	1.0		mg/L	1	7/1/2011 3:01:42 PM
Silver	ND	0.0050		mg/L	1	7/1/2011 3:01:42 PM
Sodium	340	5.0		mg/L	5	7/11/2011 6:01:53 PM
Zinc	0.048	0.010		mg/L	1	7/11/2011 5:58:30 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.039	0.0020		mg/L	1	6/30/2011 9:58:07 AM
Cadmium	ND	0.0020		mg/L	1	6/30/2011 9:58:07 AM
Chromium	ND	0.0060		mg/L	1	6/30/2011 9:58:07 AM
Copper	ND	0.0060		mg/L	1	6/30/2011 9:58:07 AM
Iron	0.053	0.020		mg/L	1	6/30/2011 9:58:07 AM
Lead	ND	0.0050		mg/L	1	6/30/2011 9:58:07 AM
Manganese	0.016	0.0020		mg/L	1	6/30/2011 9:58:07 AM

Qualifiers:

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- 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: *19-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:40:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Silver	ND	0.0050		mg/L	1	6/30/2011 9:58:07 AM
Sodium	320	5.0		mg/L	5	6/30/2011 10:01:43 AM
Zinc	ND	0.010		mg/L	1	6/30/2011 9:58:07 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0014	0.0010		mg/L	1	7/7/2011 7:59:45 PM
Selenium	0.0062	0.0010		mg/L	1	7/7/2011 7:59:45 PM
Uranium	0.043	0.0010		mg/L	1	7/11/2011 11:48:13 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	7/7/2011 6:28:49 PM
Selenium	0.0056	0.0025		mg/L	2.5	7/7/2011 6:28:49 PM
Uranium	0.047	0.0025		mg/L	2.5	7/11/2011 11:14:54 AM
EPA METHOD 245.1: MERCURY						Analyst: **MBR**
Mercury	ND	0.00020		mg/L	1	6/28/2011 2:43:37 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 3:46:02 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 3:46:02 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 3:46:02 AM
Acetone	ND	10		µg/L	1	6/24/2011 3:46:02 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 3:46:02 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 3:46:02 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 3:46:02 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 3:46:02 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 3:46:02 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:40:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Chloromethane	ND	3.0		µg/L	1	6/24/2011 3:46:02 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 3:46:02 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 3:46:02 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 3:46:02 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 3:46:02 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 3:46:02 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 3:46:02 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 3:46:02 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1106890	**Collection Date:**	6/20/2011 3:40:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 3:46:02 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 3:46:02 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 3:46:02 AM
Surr: 1,2-Dichloroethane-d4	89.2	65.8-138		%REC	1	6/24/2011 3:46:02 AM
Surr: 4-Bromofluorobenzene	102	72.7-128		%REC	1	6/24/2011 3:46:02 AM
Surr: Dibromofluoromethane	86.3	69-135		%REC	1	6/24/2011 3:46:02 AM
Surr: Toluene-d8	98.7	86.1-134		%REC	1	6/24/2011 3:46:02 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	1400	0.010		µmhos/cm	1	6/22/2011 5:25:00 AM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.87	0.100	H	pH units	1	6/22/2011 5:25:00 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:20:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2011 11:23:07 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2011 11:23:07 PM
Surr: DNOP	114	97.7-132		%REC	1	6/22/2011 11:23:07 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/23/2011 2:27:40 PM
Surr: BFB	109	65.4-141		%REC	1	6/23/2011 2:27:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.53	0.10		mg/L	1	6/22/2011 5:37:37 AM
Chloride	28	10		mg/L	20	6/22/2011 5:55:01 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	6/22/2011 5:37:37 AM
Bromide	0.22	0.10		mg/L	1	6/22/2011 5:37:37 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	6/22/2011 5:37:37 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/22/2011 5:37:37 AM
Sulfate	150	10		mg/L	20	6/22/2011 5:55:01 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Calcium	20	1.0		mg/L	1	7/11/2011 6:06:46 PM
Magnesium	3.6	1.0		mg/L	1	7/11/2011 6:06:46 PM
Potassium	ND	1.0		mg/L	1	7/1/2011 3:05:25 PM
Sodium	250	5.0		mg/L	5	7/11/2011 6:22:23 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Acenaphthylene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Aniline	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Anthracene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Azobenzene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Benz(a)anthracene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Benzo(a)pyrene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Benzoic acid	ND	20		µg/L	1	6/28/2011 10:49:41 AM
Benzyl alcohol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/28/2011 10:49:41 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *19-Jul-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:20:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Butyl benzyl phthalate	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Carbazole	ND	10		µg/L	1	6/28/2011 10:49:41 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
4-Chloroaniline	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2-Chloronaphthalene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2-Chlorophenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Chrysene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Di-n-butyl phthalate	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Di-n-octyl phthalate	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Dibenzofuran	ND	10		µg/L	1	6/28/2011 10:49:41 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Diethyl phthalate	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Dimethyl phthalate	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2,4-Dichlorophenol	ND	20		µg/L	1	6/28/2011 10:49:41 AM
2,4-Dimethylphenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/28/2011 10:49:41 AM
2,4-Dinitrophenol	ND	20		µg/L	1	6/28/2011 10:49:41 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Fluoranthene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Fluorene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Hexachlorobenzene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Hexachlorobutadiene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Hexachloroethane	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Isophorone	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2-Methylnaphthalene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2-Methylphenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
3+4-Methylphenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	6/28/2011 10:49:41 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	6/28/2011 10:49:41 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Naphthalene	ND	10		µg/L	1	6/28/2011 10:49:41 AM

Qualifiers:

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- 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:20:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2-Nitroaniline	ND	10		µg/L	1	6/28/2011 10:49:41 AM
3-Nitroaniline	ND	10		µg/L	1	6/28/2011 10:49:41 AM
4-Nitroaniline	ND	20		µg/L	1	6/28/2011 10:49:41 AM
Nitrobenzene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2-Nitrophenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
4-Nitrophenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Pentachlorophenol	ND	20		µg/L	1	6/28/2011 10:49:41 AM
Phenanthrene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Phenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Pyrene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Pyridine	ND	10		µg/L	1	6/28/2011 10:49:41 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/28/2011 10:49:41 AM
Surr: 2,4,6-Tribromophenol	73.2	14.4-140		%REC	1	6/28/2011 10:49:41 AM
Surr: 2-Fluorobiphenyl	71.9	31.2-116		%REC	1	6/28/2011 10:49:41 AM
Surr: 2-Fluorophenol	59.8	11.8-102		%REC	1	6/28/2011 10:49:41 AM
Surr: 4-Terphenyl-d14	65.9	19.1-132		%REC	1	6/28/2011 10:49:41 AM
Surr: Nitrobenzene-d5	72.4	21.3-126		%REC	1	6/28/2011 10:49:41 AM
Surr: Phenol-d5	44.5	13.7-82.2		%REC	1	6/28/2011 10:49:41 AM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 4:14:24 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 4:14:24 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 4:14:24 AM
Acetone	ND	10		µg/L	1	6/24/2011 4:14:24 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 4:14:24 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 4:14:24 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 4:14:24 AM

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:20:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 4:14:24 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 4:14:24 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 4:14:24 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 4:14:24 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 4:14:24 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 4:14:24 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 4:14:24 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 4:14:24 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:20:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 4:14:24 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 4:14:24 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 4:14:24 AM
Surr: 1,2-Dichloroethane-d4	88.3	65.8-138		%REC	1	6/24/2011 4:14:24 AM
Surr: 4-Bromofluorobenzene	104	72.7-128		%REC	1	6/24/2011 4:14:24 AM
Surr: Dibromofluoromethane	84.5	69-135		%REC	1	6/24/2011 4:14:24 AM
Surr: Toluene-d8	103	86.1-134		%REC	1	6/24/2011 4:14:24 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	1100	0.010		µmhos/cm	1	6/22/2011 5:29:00 AM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.67	0.100	H	pH units	1	6/22/2011 5:29:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:50:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2011 11:57:14 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2011 11:57:14 PM
Surr: DNOP	108	97.7-132		%REC	1	6/22/2011 11:57:14 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/23/2011 2:56:38 PM
Surr: BFB	109	65.4-141		%REC	1	6/23/2011 2:56:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.56	0.10		mg/L	1	6/22/2011 6:12:25 AM
Chloride	24	10		mg/L	20	6/22/2011 6:29:50 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	6/22/2011 6:12:25 AM
Bromide	0.19	0.10		mg/L	1	6/22/2011 6:12:25 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	6/22/2011 6:12:25 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/22/2011 6:12:25 AM
Sulfate	140	10		mg/L	20	6/22/2011 6:29:50 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Calcium	3.9	1.0		mg/L	1	7/11/2011 6:25:35 PM
Magnesium	ND	1.0		mg/L	1	7/11/2011 6:25:35 PM
Potassium	ND	1.0		mg/L	1	7/11/2011 6:25:35 PM
Sodium	240	5.0		mg/L	5	7/11/2011 6:28:58 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Acenaphthylene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Aniline	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Anthracene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Azobenzene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Benz(a)anthracene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Benzo(a)pyrene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Benzoic acid	ND	20		µg/L	1	6/28/2011 11:19:33 AM
Benzyl alcohol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/28/2011 11:19:33 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:50:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Butyl benzyl phthalate	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Carbazole	ND	10		µg/L	1	6/28/2011 11:19:33 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
4-Chloroaniline	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2-Chloronaphthalene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2-Chlorophenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Chrysene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Di-n-butyl phthalate	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Di-n-octyl phthalate	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Dibenzofuran	ND	10		µg/L	1	6/28/2011 11:19:33 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Diethyl phthalate	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Dimethyl phthalate	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2,4-Dichlorophenol	ND	20		µg/L	1	6/28/2011 11:19:33 AM
2,4-Dimethylphenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/28/2011 11:19:33 AM
2,4-Dinitrophenol	ND	20		µg/L	1	6/28/2011 11:19:33 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Fluoranthene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Fluorene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Hexachlorobenzene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Hexachlorobutadiene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Hexachloroethane	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Isophorone	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2-Methylnaphthalene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2-Methylphenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
3+4-Methylphenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	6/28/2011 11:19:33 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	6/28/2011 11:19:33 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Naphthalene	ND	10		µg/L	1	6/28/2011 11:19:33 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:50:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Nitroaniline	ND	10		µg/L	1	6/28/2011 11:19:33 AM
3-Nitroaniline	ND	10		µg/L	1	6/28/2011 11:19:33 AM
4-Nitroaniline	ND	20		µg/L	1	6/28/2011 11:19:33 AM
Nitrobenzene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2-Nitrophenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
4-Nitrophenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Pentachlorophenol	ND	20		µg/L	1	6/28/2011 11:19:33 AM
Phenanthrene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Phenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Pyrene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Pyridine	ND	10		µg/L	1	6/28/2011 11:19:33 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/28/2011 11:19:33 AM
Surr: 2,4,6-Tribromophenol	68.4	14.4-140		%REC	1	6/28/2011 11:19:33 AM
Surr: 2-Fluorobiphenyl	61.7	31.2-116		%REC	1	6/28/2011 11:19:33 AM
Surr: 2-Fluorophenol	52.5	11.8-102		%REC	1	6/28/2011 11:19:33 AM
Surr: 4-Terphenyl-d14	67.9	19.1-132		%REC	1	6/28/2011 11:19:33 AM
Surr: Nitrobenzene-d5	68.1	21.3-126		%REC	1	6/28/2011 11:19:33 AM
Surr: Phenol-d5	40.9	13.7-82.2		%REC	1	6/28/2011 11:19:33 AM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 4:42:48 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 4:42:48 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 4:42:48 AM
Acetone	ND	10		µg/L	1	6/24/2011 4:42:48 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 4:42:48 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 4:42:48 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 4:42:48 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:50:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 4:42:48 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 4:42:48 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 4:42:48 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 4:42:48 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 4:42:48 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 4:42:48 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 4:42:48 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 4:42:48 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 4:42:48 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1106890	**Collection Date:**	6/20/2011 4:50:00 PM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 4:42:48 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 4:42:48 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 4:42:48 AM
Surr: 1,2-Dichloroethane-d4	88.3	65.8-138		%REC	1	6/24/2011 4:42:48 AM
Surr: 4-Bromofluorobenzene	103	72.7-128		%REC	1	6/24/2011 4:42:48 AM
Surr: Dibromofluoromethane	84.6	69-135		%REC	1	6/24/2011 4:42:48 AM
Surr: Toluene-d8	102	86.1-134		%REC	1	6/24/2011 4:42:48 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	1100	0.010		µmhos/cm	1	6/22/2011 5:33:00 AM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.66	0.100	H	pH units	1	6/22/2011 5:33:00 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1106890	**Collection Date:**	6/20/2011 8:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 5:11:09 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 5:11:09 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 5:11:09 AM
Acetone	ND	10		µg/L	1	6/24/2011 5:11:09 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 5:11:09 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 5:11:09 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 5:11:09 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 5:11:09 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 5:11:09 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 5:11:09 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 5:11:09 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 5:11:09 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1106890	**Collection Date:**	6/20/2011 8:00:00 AM
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 5:11:09 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 5:11:09 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 5:11:09 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 5:11:09 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 5:11:09 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 5:11:09 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 5:11:09 AM
Surr: 1,2-Dichloroethane-d4	91.2	65.8-138		%REC	1	6/24/2011 5:11:09 AM
Surr: 4-Bromofluorobenzene	104	72.7-128		%REC	1	6/24/2011 5:11:09 AM
Surr: Dibromofluoromethane	86.6	69-135		%REC	1	6/24/2011 5:11:09 AM
Surr: Toluene-d8	102	86.1-134		%REC	1	6/24/2011 5:11:09 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1106890	**Collection Date:**	
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-10	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Toluene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Naphthalene	ND	2.0		µg/L	1	6/24/2011 5:39:32 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 5:39:32 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/24/2011 5:39:32 AM
Acetone	ND	10		µg/L	1	6/24/2011 5:39:32 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Bromoform	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Bromomethane	ND	3.0		µg/L	1	6/24/2011 5:39:32 AM
2-Butanone	ND	10		µg/L	1	6/24/2011 5:39:32 AM
Carbon disulfide	ND	10		µg/L	1	6/24/2011 5:39:32 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2011 5:39:32 AM
Chloroform	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Chloromethane	ND	3.0		µg/L	1	6/24/2011 5:39:32 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2011 5:39:32 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2011 5:39:32 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 5:39:32 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
- 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: *19-Jul-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1106890	**Collection Date:**	
Project:	2nd QTR 2011	**Date Received:**	6/21/2011
Lab ID:	1106890-10	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
2-Hexanone	ND	10		µg/L	1	6/24/2011 5:39:32 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2011 5:39:32 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2011 5:39:32 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Styrene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2011 5:39:32 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2011 5:39:32 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2011 5:39:32 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2011 5:39:32 AM
Surr: 1,2-Dichloroethane-d4	90.4	65.8-138		%REC	1	6/24/2011 5:39:32 AM
Surr: 4-Bromofluorobenzene	105	72.7-128		%REC	1	6/24/2011 5:39:32 AM
Surr: Dibromofluoromethane	85.3	69-135		%REC	1	6/24/2011 5:39:32 AM
Surr: Toluene-d8	104	86.1-134		%REC	1	6/24/2011 5:39:32 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
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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-27415		*MBLK*				Batch ID:	**27415**	Analysis Date:	6/30/2011 8:00:51 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R46320**	Analysis Date:	7/1/2011 12:19:19 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID:	**R46444**	Analysis Date:	7/11/2011 4:02:23 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-27415		*LCS*				Batch ID:	**27415**	Analysis Date:	6/30/2011 8:05:08 AM		
Arsenic	0.5359	mg/L	0.020	0.5	0	107	85	115			
Barium	0.5050	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5010	mg/L	0.0020	0.5	0	100	85	115			
Chromium	0.5171	mg/L	0.0060	0.5	0	103	85	115			

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

(: Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS-27415		*LCS*				Batch ID:	**27415**	Analysis Date:	6/30/2011 8:05:08 AM		
Copper	0.5206	mg/L	0.0060	0.5	0	104	85	115			
Iron	0.5093	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5106	mg/L	0.0050	0.5	0	102	85	115			
Manganese	0.5082	mg/L	0.0020	0.5	0	102	85	115			
Selenium	0.5327	mg/L	0.050	0.5	0	107	85	115			
Silver	0.1028	mg/L	0.0050	0.1	0	103	85	115			
Sodium	50.57	mg/L	1.0	50.5	0	100	85	115			
Zinc	0.5323	mg/L	0.010	0.5	0	106	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46320**	Analysis Date:	7/1/2011 12:25:17 PM		
Barium	0.4982	mg/L	0.0020	0.5	0	99.6	85	115			
Cadmium	0.4902	mg/L	0.0020	0.5	0.0002	98.0	85	115			
Calcium	50.89	mg/L	1.0	50.5	0.0706	101	85	115			
Chromium	0.5078	mg/L	0.0060	0.5	0.0013	101	85	115			
Copper	0.5011	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.5081	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5009	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	49.45	mg/L	1.0	50.5	0.0712	97.8	85	115			
Manganese	0.5002	mg/L	0.0020	0.5	0.0004	100	85	115			
F m	47.49	mg/L	1.0	55	0.118	86.1	85	115			
Si	0.1004	mg/L	0.0050	0.1	0	100	85	115			
Sodium	47.97	mg/L	1.0	50.5	0.0744	94.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46444**	Analysis Date:	7/11/2011 4:05:36 PM		
Barium	0.5014	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5013	mg/L	0.0020	0.5	0	100	85	115			
Calcium	51.43	mg/L	1.0	50	0	103	85	115			
Chromium	0.5207	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5042	mg/L	0.0060	0.5	0	101	85	115			
Iron	0.4977	mg/L	0.020	0.5	0	99.5	85	115			
Lead	0.5025	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	50.39	mg/L	1.0	50	0	101	85	115			
Manganese	0.5024	mg/L	0.0020	0.5	0	100	85	115			
Potassium	48.36	mg/L	1.0	50	0.1584	96.4	85	115			
Silver	0.1006	mg/L	0.0050	0.1	0	101	85	115			
Sodium	48.25	mg/L	1.0	50	0	96.5	85	115			
Zinc	0.5423	mg/L	0.010	0.5	0	108	85	115			

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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R46320**		Analysis Date:	7/1/2011 12:11:17 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID: **R46351**		Analysis Date:	7/6/2011 1:31:28 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46351**		Analysis Date:	7/6/2011 1:38:40 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R46444**		Analysis Date:	7/11/2011 4:02:23 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								

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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46444**	Analysis Date:	7/11/2011 4:02:23 PM		
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R46320**	Analysis Date:	7/1/2011 12:15:39 PM		
Barium	0.4929	mg/L	0.0020	0.5	0	98.6	85	115			
Cadmium	0.4887	mg/L	0.0020	0.5	0	97.7	85	115			
Calcium	50.31	mg/L	1.0	50.5	0.0379	99.6	85	115			
Chromium	0.5057	mg/L	0.0060	0.5	0.0006	101	85	115			
Copper	0.5043	mg/L	0.0060	0.5	0	101	85	115			
Iron	0.4969	mg/L	0.020	0.5	0.0103	97.3	85	115			
Lead	0.4934	mg/L	0.0050	0.5	0	98.7	85	115			
sium	49.56	mg/L	1.0	50.5	0.0382	98.1	85	115			
anese	0.4946	mg/L	0.0020	0.5	0	98.9	85	115			
Potassium	47.75	mg/L	1.0	55	0.0875	86.7	85	115			
Silver	0.09939	mg/L	0.0050	0.1	0	99.4	85	115			
Sodium	48.36	mg/L	1.0	50.5	0	95.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46351**	Analysis Date:	7/6/2011 1:35:15 PM		
Calcium	49.15	mg/L	1.0	50	0	98.3	85	115			
Magnesium	48.84	mg/L	1.0	50	0	97.7	85	115			
Potassium	47.36	mg/L	1.0	50	0	94.7	85	115			
Sodium	47.95	mg/L	1.0	50	0	95.9	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46351**	Analysis Date:	7/6/2011 1:41:54 PM		
Barium	0.4839	mg/L	0.0020	0.5	0	96.8	85	115			
Cadmium	0.4766	mg/L	0.0020	0.5	0	95.3	85	115			
Calcium	50.40	mg/L	1.0	50	0	101	85	115			
Chromium	0.5017	mg/L	0.0060	0.5	0.0006	100	85	115			
Copper	0.4884	mg/L	0.0060	0.5	0	97.7	85	115			
Iron	0.4926	mg/L	0.020	0.5	0	98.5	85	115			
Lead	0.4839	mg/L	0.0050	0.5	0	96.8	85	115			
Magnesium	49.07	mg/L	1.0	50	0	98.1	85	115			
Manganese	0.4872	mg/L	0.0020	0.5	0	97.4	85	115			
Potassium	47.33	mg/L	1.0	50	0.0895	94.5	85	115			
Silver	0.09765	mg/L	0.0050	0.1	0	97.7	85	115			
Sodium	47.77	mg/L	1.0	50	0	95.5	85	115			
Zinc	0.5204	mg/L	0.010	0.5	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46351**	Analysis Date:	7/6/2011 1:45:35 PM		

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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Dissolved Metals**											
Sample ID: **LCS**		*LCS*				Batch ID:	**R46351**	Analysis Date:		7/6/2011 1:45:35 PM	
Barium	0.5206	mg/L	0.0020	0.5	0	104	85	115			
Cadmium	0.5136	mg/L	0.0020	0.5	0.0003	103	85	115			
Chromium	0.5376	mg/L	0.0060	0.5	0	108	85	115			
Copper	0.5301	mg/L	0.0060	0.5	0	106	85	115			
Iron	0.5219	mg/L	0.020	0.5	0	104	85	115			
Lead	0.5306	mg/L	0.0050	0.5	0	106	85	115			
Manganese	0.5360	mg/L	0.0020	0.5	0	107	85	115			
Silver	0.1018	mg/L	0.0050	0.1	0	102	85	115			
Zinc	0.5636	mg/L	0.010	0.5	0	113	85	115			
Sample ID: **LCS**		*LCS*				Batch ID:	**R46444**	Analysis Date:		7/11/2011 4:05:36 PM	
Barium	0.5014	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5013	mg/L	0.0020	0.5	0	100	85	115			
Calcium	51.43	mg/L	1.0	50	0	103	85	115			
Chromium	0.5207	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5042	mg/L	0.0060	0.5	0	101	85	115			
Iron	0.4977	mg/L	0.020	0.5	0	99.5	85	115			
Lead	0.5025	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	50.39	mg/L	1.0	50	0	101	85	115			
Manganese	0.5024	mg/L	0.0020	0.5	0	100	85	115			
Potassium	48.36	mg/L	1.0	50	0.1584	96.4	85	115			
Silver	0.1006	mg/L	0.0050	0.1	0	101	85	115			
Sodium	48.25	mg/L	1.0	50	0	96.5	85	115			
Zinc	0.5423	mg/L	0.010	0.5	0	108	85	115			

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

t: Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:05:22 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R46400**	Analysis Date:	7/7/2011 3:09:16 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R46424**	Analysis Date:	7/11/2011 11:22:18 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:09:04 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02745	mg/L	0.0010	0.025	0	110	85	115			
Uranium	0.02719	mg/L	0.0010	0.025	0	109	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46400**	Analysis Date:	7/7/2011 3:15:02 PM		
Arsenic	0.02571	mg/L	0.0010	0.025	0	103	85	115			
Selenium	0.02573	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46424**	Analysis Date:	7/11/2011 11:25:59 AM		
Arsenic	0.02628	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02664	mg/L	0.0010	0.025	0	107	85	115			
Uranium	0.02636	mg/L	0.0010	0.025	0	105	85	115			

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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-27415		*MBLK*				Batch ID:	**27415**	Analysis Date:	7/5/2011 3:11:06 PM		
Lead	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:05:22 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB-27415		*MBLK*				Batch ID:	**27415**	Analysis Date:	7/7/2011 2:57:44 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R46400**	Analysis Date:	7/7/2011 3:09:16 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB-27415		*MBLK*				Batch ID:	**27415**	Analysis Date:	7/11/2011 11:03:48 AM		
Uranium	ND	mg/L	0.0025								
Sample ID: LCS		*LCS*				Batch ID:	**R46363**	Analysis Date:	7/6/2011 3:09:04 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02745	mg/L	0.0010	0.025	0	110	85	115			
Uranium	0.02719	mg/L	0.0010	0.025	0	109	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R46400**	Analysis Date:	7/7/2011 3:15:02 PM		
Arsenic	0.02571	mg/L	0.0010	0.025	0	103	85	115			
Selenium	0.02573	mg/L	0.0010	0.025	0	103	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: 1106890-06CMSD		*MSD*				Batch ID:	**27389**	Analysis Date:	6/28/2011 2:51:00 PM		
Mercury	0.004859	mg/L	0.00020	0.005	0	97.2	75	125	0.645	20	
Sample ID: MB-27389		*MBLK*				Batch ID:	**27389**	Analysis Date:	6/28/2011 2:36:20 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-27389		*LCS*				Batch ID:	**27389**	Analysis Date:	6/28/2011 2:38:09 PM		
Mercury	0.005010	mg/L	0.00020	0.005	0	100	80	120			
Sample ID: 1106890-06CMS		*MS*				Batch ID:	**27389**	Analysis Date:	6/28/2011 2:45:27 PM		
Mercury	0.004827	mg/L	0.00020	0.005	0	96.5	75	125			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1106890-05DMSD		*MSD*				**Batch ID: R46067**		**Analysis Date:**		**6/22/2011 3:18:20 AM**	
Bromide	3.186	mg/L	0.10	2.5	0.7509	97.4	82	112	0.361	20	
Nitrogen, Nitrate (As N)	3.008	mg/L	0.10	2.5	0.5217	99.5	83.7	111	0.332	20	
Phosphorus, Orthophosphate (As P)	5.024	mg/L	0.50	5	0	100	80.5	108	0.741	20	
Sample ID: MB		*MBLK*				**Batch ID: R46067**		**Analysis Date:**		**6/21/2011 11:38:14 AM**	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID: R46067**		**Analysis Date:**		**6/22/2011 2:08:43 AM**	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
[illegible]horus, Orthophosphate (As P)	ND	mg/L	0.50								
	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID: R46093**		**Analysis Date:**		**6/22/2011 11:33:28 AM**	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID: R46093**		**Analysis Date:**		**6/22/2011 11:32:14 PM**	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				**Batch ID: R46067**		**Analysis Date:**		**6/21/2011 11:55:39 AM**	
Fluoride	0.5042	mg/L	0.10	0.5	0	101	90	110			
Chloride	5.001	mg/L	0.50	5	0	100	90	110			
Nitrogen, Nitrite (As N)	1.022	mg/L	0.10	1	0	102	90	110			
Bromide	2.548	mg/L	0.10	2.5	0	102	90	110			
Nitrogen, Nitrate (As N)	2.554	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.149	mg/L	0.50	5	0	103	90	110			
[illegible]	10.13	mg/L	0.50	10	0	101	90	110			

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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R46067**	Analysis Date:		6/22/2011 2:26:07 AM	
Fluoride	0.5308	mg/L	0.10	0.5	0	106	90	110			
Chloride	5.132	mg/L	0.50	5	0	103	90	110			
Nitrogen, Nitrite (As N)	1.052	mg/L	0.10	1	0	105	90	110			
Bromide	2.626	mg/L	0.10	2.5	0	105	90	110			
Nitrogen, Nitrate (As N)	2.629	mg/L	0.10	2.5	0	105	90	110			
Phosphorus, Orthophosphate (As P)	5.310	mg/L	0.50	5	0	106	90	110			
Sulfate	10.40	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R46093**	Analysis Date:		6/22/2011 11:44:42 AM	
Fluoride	0.4779	mg/L	0.10	0.5	0	95.6	90	110			
Chloride	4.701	mg/L	0.50	5	0	94.0	90	110			
Nitrogen, Nitrite (As N)	0.9463	mg/L	0.10	1	0	94.6	90	110			
Bromide	2.369	mg/L	0.10	2.5	0	94.7	90	110			
Nitrogen, Nitrate (As N)	2.413	mg/L	0.10	2.5	0	96.5	90	110			
Phosphorus, Orthophosphate (As P)	4.714	mg/L	0.50	5	0	94.3	90	110			
Sulfate	9.517	mg/L	0.50	10	0	95.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R46093**	Analysis Date:		6/22/2011 11:43:28 PM	
Fluoride	0.5072	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.757	mg/L	0.50	5	0	95.1	90	110			
Nitrogen, Nitrite (As N)	0.9445	mg/L	0.10	1	0	94.5	90	110			
Bromide	2.315	mg/L	0.10	2.5	0	92.6	90	110			
Nitrogen, Nitrate (As N)	2.437	mg/L	0.10	2.5	0	97.5	90	110			
Phosphorus, Orthophosphate (As P)	4.920	mg/L	0.50	5	0	98.4	90	110			
Sulfate	9.713	mg/L	0.50	10	0	97.1	90	110			
Sample ID: 1106890-05DMS		*MS*				Batch ID:	**R46067**	Analysis Date:		6/22/2011 3:00:56 AM	
Bromide	3.197	mg/L	0.10	2.5	0.7509	97.8	82	112			
Nitrogen, Nitrate (As N)	3.018	mg/L	0.10	2.5	0.5217	99.9	83.7	111			
Phosphorus, Orthophosphate (As P)	4.987	mg/L	0.50	5	0	99.7	80.5	108			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-27307		*MBLK*				Batch ID:	**27307**	Analysis Date:		6/22/2011 6:10:19 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-27307		*LCS*				Batch ID:	**27307**	Analysis Date:		6/22/2011 6:45:29 PM	
Diesel Range Organics (DRO)	5.839	mg/L	1.0	5	0	117	74	157			
Sample ID: LCSD-27307		*LCSD*				Batch ID:	**27307**	Analysis Date:		6/22/2011 7:20:54 PM	
Diesel Range Organics (DRO)	6.013	mg/L	1.0	5	0	120	74	157	2.94	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R46114**	Analysis Date:		6/23/2011 9:47:52 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R46114**	Analysis Date:		6/23/2011 11:43:39 AM	
Gasoline Range Organics (GRO)	0.5478	mg/L	0.050	0.5	0	110	81.8	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*				**Batch ID: R46115**		**Analysis Date: 6/23/2011 11:03:44 PM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
) Tetrachloride	ND	µg/L	1.0								
oenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*				Batch ID: **R46115**		Analysis Date:	6/23/2011 11:03:44 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*				Batch ID: **R46140**		Analysis Date:	6/24/2011 2:14:06 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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

t: Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*					Batch ID: **R46140**		Analysis Date:	6/24/2011 2:14:06 PM	
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
ılorobutadiene	ND	µg/L	1.0								
anone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
S---ole ID: **b12**		*MBLK*					Batch ID: **R46140**		Analysis Date:	6/25/2011 12:26:13 PM	

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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b12		*MBLK*				**Batch ID: R46140**		**Analysis Date: 6/25/2011 12:26:13 PM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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

nt: Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b12		*MBLK*				Batch ID:	**R46140**	Analysis Date:	6/25/2011 12:26:13 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
Trichloropropane	ND	µg/L	2.0								
chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-II		*LCS*				Batch ID:	**R46115**	Analysis Date:	6/23/2011 10:35:33 PM		
Benzene	19.99	µg/L	1.0	20	0	99.9	81.1	130			
Toluene	21.34	µg/L	1.0	20	0	107	82.3	122			
Chlorobenzene	21.20	µg/L	1.0	20	0	106	70	130			
1,1-Dichloroethene	20.33	µg/L	1.0	20	0	102	83.1	126			
Trichloroethene (TCE)	17.83	µg/L	1.0	20	0	89.2	67.4	137			
Sample ID: 100ng lcs-c		*LCS*				Batch ID:	**R46140**	Analysis Date:	6/24/2011 1:45:41 PM		
Benzene	21.39	µg/L	1.0	20	0	107	81.1	130			
Toluene	23.42	µg/L	1.0	20	0	117	82.3	122			
Chlorobenzene	22.37	µg/L	1.0	20	0	112	70	130			
1,1-Dichloroethene	23.85	µg/L	1.0	20	0	119	83.1	126			
Trichloroethene (TCE)	18.71	µg/L	1.0	20	0	93.6	67.4	137			
Sample ID: 100ng lcs-II		*LCS*				Batch ID:	**R46140**	Analysis Date:	6/25/2011 1:08:21 AM		
Benzene	20.70	µg/L	1.0	20	0	103	81.1	130			
Toluene	22.42	µg/L	1.0	20	0	112	82.3	122			
Chlorobenzene	21.28	µg/L	1.0	20	0	106	70	130			
1,1-Dichloroethene	22.40	µg/L	1.0	20	0	112	83.1	126			
Trichloroethene (TCE)	18.32	µg/L	1.0	20	0	91.6	67.4	137			

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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27361		*MBLK*					Batch ID: **27361**		Analysis Date:	6/28/2011 9:20:21 AM	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-27361		*MBLK*				**Batch ID: 27361**		**Analysis Date:**	6/28/2011 9:20:21 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
:hlorophenol	ND	µg/L	20								
.nthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-27361		*LCS*				**Batch ID: 27361**		**Analysis Date:**	6/28/2011 9:50:03 AM		
Acenaphthene	64.84	µg/L	10	100	0	64.8	31.7	107			
4-Chloro-3-methylphenol	125.1	µg/L	10	200	0	62.6	24.4	123			
2-Chlorophenol	118.0	µg/L	10	200	0	59.0	24.7	104			
1,4-Dichlorobenzene	54.06	µg/L	10	100	0	54.1	20.3	95			
2,4-Dinitrotoluene	63.82	µg/L	10	100	0	63.8	22.4	106			
N-Nitrosodi-n-propylamine	54.36	µg/L	10	100	0	54.4	25.3	107			
4-Nitrophenol	63.54	µg/L	10	200	5.1	29.2	11.6	110			
Pentachlorophenol	96.78	µg/L	20	200	0	48.4	19.5	113			
Phenol	72.22	µg/L	10	200	0	36.1	16.1	69.3			
Pyrene	59.50	µg/L	10	100	0	59.5	38.3	99.3			
1,2,4-Trichlorobenzene	56.34	µg/L	10	100	0	56.3	25	97.3			
Sample ID: lcsd-27361		*LCSD*				**Batch ID: 27361**		**Analysis Date:**	6/28/2011 10:19:53 AM		
Acenaphthene	62.86	µg/L	10	100	0	62.9	31.7	107	3.10	20	
4-Chloro-3-methylphenol	121.7	µg/L	10	200	0	60.9	24.4	123	2.75	20	
2-Chlorophenol	122.0	µg/L	10	200	0	61.0	24.7	104	3.28	20	
1,4-Dichlorobenzene	52.16	µg/L	10	100	0	52.2	20.3	95	3.58	20	
'nitrotoluene	63.62	µg/L	10	100	0	63.6	22.4	106	0.314	20	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd QTR 2011 **Work Order:** 1106890

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-27361		*LCSD*				Batch ID:	**27361**	Analysis Date:		6/28/2011 10:19:53 AM	
N-Nitrosodi-n-propylamine	53.64	µg/L	10	100	0	53.6	25.3	107	1.33	20	
4-Nitrophenol	63.56	µg/L	10	200	5.1	29.2	11.6	110	0.0315	20	
Pentachlorophenol	103.9	µg/L	20	200	0	51.9	19.5	113	7.06	20	
Phenol	78.38	µg/L	10	200	0	39.2	16.1	69.3	8.18	20	
Pyrene	64.12	µg/L	10	100	0	64.1	38.3	99.3	7.47	20	
1,2,4-Trichlorobenzene	55.02	µg/L	10	100	0	55.0	25	97.3	2.37	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 6/21/2011

Work Order Number 1106890 | Received by: LNM

Checklist completed by: Signature 6/21/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
r - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3.8°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: ADDED 1mL HNO3 TO 07 FOR ACCEPTABLE PH

Corrective Action _____

Chain-of-Custody Record

Client: Western Refinery 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)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2nd QTR 2011

Project #: OW-Wells

Project Manager: Cheryl Johnson

Sampler: C. Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.4

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. 1106890	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) + MTBE	8270 (Semi-VOA)	Wipe Metals	Wipe Metals - Filtered	Cations / Anions	Gen Chem	Air Bubbles (Y or N)
6/20/11	0950	Aq	OW-30	VOA-3	HCl	-1										X						
	1050		OW-14			-2										X						
	1145		OW-29			-3										X						
	1356		OW-13			-4										X						
	1510		OW-10	VARIOUS	VARIOUS	-5			X							X		X	X	X		
	1540		OW-1			-6			X							X		X	X	X		
	1620		OW-50			-7			X							X	X				X	
	1650		OW-52			-8			X							X	X	-			X	
	0800		Field Blank	VOA-3	HCl	-9										X						
			TRIP Blank	VOA-2	HCl	-10										X						

Date: 6/21/11 Time: ~~1455~~ 1330 Relinquished by:

Received by: Date 6/21/11 Time ~~1455~~ 1330

Date: Time: Relinquished by:

Received by: Date Time

Remarks: GenChem: Cations, Anions, pH, Spec Cond.

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, October 14, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011- Quarterly/ Annual

Order No.: 1109B65

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 9/29/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1109B65	**Collection Date:**	9/26/2011 12:00:00 PM
Project:	2011- Quarterly/ Annual	**Date Received:**	9/29/2011
Lab ID:	1109B65-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	14	1.0		mg/L	1	10/2/2011 12:50:59 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/2/2011 12:50:59 AM
Surr: DNOP	124	81.1-147		%REC	1	10/2/2011 12:50:59 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	45	0.50		mg/L	10	10/6/2011 6:21:55 PM
Surr: BFB	145	65.4-141	S	%REC	10	10/6/2011 6:21:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	10/6/2011 6:21:55 PM
Benzene	3600	100		µg/L	100	10/7/2011 5:09:04 PM
Toluene	9300	100		µg/L	100	10/7/2011 5:09:04 PM
Ethylbenzene	590	100		µg/L	100	10/7/2011 5:09:04 PM
Xylenes, Total	5500	200		µg/L	100	10/7/2011 5:09:04 PM
Surr: 4-Bromofluorobenzene	96.6	76.5-115		%REC	100	10/7/2011 5:09:04 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.21	0.0020		mg/L	1	10/4/2011 10:09:00 AM
Calcium	160	5.0		mg/L	5	10/4/2011 10:19:07 AM
Chromium	0.067	0.0060		mg/L	1	10/4/2011 10:09:00 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 10:09:00 AM
Iron	0.14	0.020		mg/L	1	10/4/2011 10:09:00 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 10:09:00 AM
Manganese	0.86	0.010		mg/L	5	10/4/2011 10:19:07 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 10:09:00 AM
Zinc	0.013	0.010		mg/L	1	10/4/2011 10:09:00 AM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.23	0.0020		mg/L	1	10/6/2011 7:53:05 AM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 7:53:05 AM
Chromium	0.072	0.0060		mg/L	1	10/6/2011 7:53:05 AM
Copper	ND	0.0060		mg/L	1	10/6/2011 7:53:05 AM
Iron	1.5	0.10		mg/L	5	10/6/2011 7:55:47 AM
Lead	ND	0.0050		mg/L	1	10/6/2011 7:53:05 AM
Manganese	0.89	0.0020		mg/L	1	10/6/2011 7:53:05 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 7:53:05 AM
Sodium	1500	20		mg/L	20	10/6/2011 9:40:55 AM
Zinc	0.064	0.010		mg/L	1	10/6/2011 7:53:05 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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: *14-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1109B65	**Collection Date:**	9/26/2011 12:00:00 PM
Project:	2011- Quarterly/ Annual	**Date Received:**	9/29/2011
Lab ID:	1109B65-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0044	0.0010		mg/L	1	10/12/2011 12:59:37 PM
Selenium	0.0075	0.0010		mg/L	1	10/12/2011 12:59:37 PM
Uranium	ND	0.0010		mg/L	1	10/12/2011 12:59:37 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0041	0.0025		mg/L	2.5	10/11/2011 1:21:32 PM
Selenium	0.0048	0.0025		mg/L	2.5	10/11/2011 1:21:32 PM
Uranium	ND	0.0025		mg/L	2.5	10/11/2011 1:21:32 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	0.00027	0.00020		mg/L	1	9/30/2011 1:30:56 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *14-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1109B65	**Collection Date:**	9/26/2011 12:15:00 PM
Project:	2011- Quarterly/ Annual	**Date Received:**	9/29/2011
Lab ID:	1109B65-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	34	10		mg/L	10	10/2/2011 8:43:42 PM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	10/2/2011 8:43:42 PM
Surr: DNOP	0	81.1-147	S	%REC	10	10/2/2011 8:43:42 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	43	2.5		mg/L	50	10/6/2011 6:50:47 PM
Surr: BFB	106	65.4-141		%REC	50	10/6/2011 6:50:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	130		µg/L	50	10/6/2011 6:50:47 PM
Benzene	2800	100		µg/L	100	10/7/2011 5:37:47 PM
Toluene	7200	100		µg/L	100	10/7/2011 5:37:47 PM
Ethylbenzene	680	100		µg/L	100	10/7/2011 5:37:47 PM
Xylenes, Total	7000	200		µg/L	100	10/7/2011 5:37:47 PM
Surr: 4-Bromofluorobenzene	97.4	76.5-115		%REC	100	10/7/2011 5:37:47 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.58	0.0020		mg/L	1	10/4/2011 11:57:41 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:57:41 AM
Chromium	0.11	0.0060		mg/L	1	10/4/2011 11:57:41 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:57:41 AM
Iron	0.057	0.020		mg/L	1	10/4/2011 11:57:41 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:57:41 AM
Manganese	0.55	0.0020		mg/L	1	10/4/2011 11:57:41 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:57:41 AM
Zinc	0.026	0.010		mg/L	1	10/4/2011 11:57:41 AM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.59	0.0020		mg/L	1	10/6/2011 7:59:05 AM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 7:59:05 AM
Chromium	0.12	0.0060		mg/L	1	10/6/2011 7:59:05 AM
Copper	ND	0.0060		mg/L	1	10/6/2011 7:59:05 AM
Iron	0.58	0.020		mg/L	1	10/6/2011 7:59:05 AM
Lead	ND	0.0050		mg/L	1	10/6/2011 7:59:05 AM
Manganese	0.56	0.0020		mg/L	1	10/6/2011 7:59:05 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 7:59:05 AM
Sodium	350	5.0		mg/L	5	10/6/2011 8:02:27 AM
Zinc	0.036	0.010		mg/L	1	10/6/2011 7:59:05 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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: *14-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1109B65	**Collection Date:**	9/26/2011 12:15:00 PM
Project:	2011- Quarterly/ Annual	**Date Received:**	9/29/2011
Lab ID:	1109B65-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0036	0.0010		mg/L	1	10/12/2011 1:07:51 PM
Selenium	0.0019	0.0010		mg/L	1	10/12/2011 1:07:51 PM
Uranium	ND	0.0010		mg/L	1	10/12/2011 1:07:51 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0039	0.0025		mg/L	2.5	10/11/2011 1:23:33 PM
Selenium	ND	0.0025		mg/L	2.5	10/11/2011 1:23:33 PM
Uranium	ND	0.0025		mg/L	2.5	10/11/2011 1:23:33 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	9/30/2011 1:32:47 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: *14-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1109B65	**Collection Date:**	9/26/2011 12:30:00 PM
Project:	2011- Quarterly/ Annual	**Date Received:**	9/29/2011
Lab ID:	1109B65-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	18	10		mg/L	10	10/2/2011 9:17:52 PM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	10/2/2011 9:17:52 PM
Surr: DNOP	0	81.1-147	S	%REC	10	10/2/2011 9:17:52 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	49	10		mg/L	200	10/6/2011 7:48:36 PM
Surr: BFB	97.3	65.4-141		%REC	200	10/6/2011 7:48:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	10/6/2011 7:48:36 PM
Benzene	3500	200		µg/L	200	10/6/2011 7:48:36 PM
Toluene	10000	200		µg/L	200	10/6/2011 7:48:36 PM
Ethylbenzene	760	200		µg/L	200	10/6/2011 7:48:36 PM
Xylenes, Total	6400	400		µg/L	200	10/6/2011 7:48:36 PM
Surr: 4-Bromofluorobenzene	101	76.5-115		%REC	200	10/6/2011 7:48:36 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.24	0.0020		mg/L	1	10/4/2011 12:15:07 PM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 12:15:07 PM
Chromium	0.058	0.0060		mg/L	1	10/4/2011 12:15:07 PM
Copper	ND	0.0060		mg/L	1	10/4/2011 12:15:07 PM
Iron	0.10	0.020		mg/L	1	10/4/2011 12:15:07 PM
Lead	ND	0.0050		mg/L	1	10/4/2011 12:15:07 PM
Manganese	0.53	0.0020		mg/L	1	10/4/2011 12:15:07 PM
Silver	ND	0.0050		mg/L	1	10/4/2011 12:15:07 PM
Zinc	0.015	0.010		mg/L	1	10/4/2011 12:15:07 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	1.8	0.010		mg/L	5	10/6/2011 8:08:59 AM
Cadmium	0.0022	0.0020		mg/L	1	10/6/2011 8:06:07 AM
Chromium	0.16	0.0060		mg/L	1	10/6/2011 8:06:07 AM
Copper	0.62	0.0060		mg/L	1	10/6/2011 8:06:07 AM
Iron	120	4.0		mg/L	200	10/6/2011 9:47:09 AM
Lead	0.20	0.0050		mg/L	1	10/6/2011 8:06:07 AM
Manganese	0.93	0.0020		mg/L	1	10/6/2011 8:06:07 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 8:06:07 AM
Sodium	1600	20		mg/L	20	10/6/2011 9:44:39 AM
Zinc	11	0.20		mg/L	20	10/10/2011 6:43:42 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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: *14-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1109B65	**Collection Date:**	9/26/2011 12:30:00 PM
Project:	2011- Quarterly/ Annual	**Date Received:**	9/29/2011
Lab ID:	1109B65-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	18	10		mg/L	10	10/2/2011 9:17:52 PM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	10/2/2011 9:17:52 PM
Surr: DNOP	0	81.1-147	S	%REC	10	10/2/2011 9:17:52 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	49	10		mg/L	200	10/6/2011 7:48:36 PM
Surr: BFB	97.3	65.4-141		%REC	200	10/6/2011 7:48:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	10/6/2011 7:48:36 PM
Benzene	3500	200		µg/L	200	10/6/2011 7:48:36 PM
Toluene	10000	200		µg/L	200	10/6/2011 7:48:36 PM
Ethylbenzene	760	200		µg/L	200	10/6/2011 7:48:36 PM
Xylenes, Total	6400	400		µg/L	200	10/6/2011 7:48:36 PM
Surr: 4-Bromofluorobenzene	101	76.5-115		%REC	200	10/6/2011 7:48:36 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.24	0.0020		mg/L	1	10/4/2011 12:15:07 PM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 12:15:07 PM
Chromium	0.058	0.0060		mg/L	1	10/4/2011 12:15:07 PM
Copper	ND	0.0060		mg/L	1	10/4/2011 12:15:07 PM
Iron	0.10	0.020		mg/L	1	10/4/2011 12:15:07 PM
Lead	ND	0.0050		mg/L	1	10/4/2011 12:15:07 PM
Manganese	0.53	0.0020		mg/L	1	10/4/2011 12:15:07 PM
Silver	ND	0.0050		mg/L	1	10/4/2011 12:15:07 PM
Zinc	0.015	0.010		mg/L	1	10/4/2011 12:15:07 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	1.8	0.010		mg/L	5	10/6/2011 8:08:59 AM
Cadmium	0.0022	0.0020		mg/L	1	10/6/2011 8:06:07 AM
Chromium	0.16	0.0060		mg/L	1	10/6/2011 8:06:07 AM
Copper	0.62	0.0060		mg/L	1	10/6/2011 8:06:07 AM
Iron	120	4.0		mg/L	200	10/6/2011 9:47:09 AM
Lead	0.20	0.0050		mg/L	1	10/6/2011 8:06:07 AM
Manganese	0.93	0.0020		mg/L	1	10/6/2011 8:06:07 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 8:06:07 AM
Sodium	1600	20		mg/L	20	10/6/2011 9:44:39 AM
Zinc	11	0.20		mg/L	20	10/10/2011 6:43:42 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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: *14-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1109B65	**Collection Date:**	9/26/2011 12:30:00 PM
Project:	2011- Quarterly/ Annual	**Date Received:**	9/29/2011
Lab ID:	1109B65-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0062	0.0010		mg/L	1	10/12/2011 1:16:06 PM
Selenium	0.011	0.0010		mg/L	1	10/12/2011 1:16:06 PM
Uranium	ND	0.0010		mg/L	1	10/12/2011 1:16:06 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.031	0.0025		mg/L	2.5	10/11/2011 1:25:34 PM
Selenium	0.0072	0.0025		mg/L	2.5	10/11/2011 1:25:34 PM
Uranium	0.0026	0.0025		mg/L	2.5	10/11/2011 1:25:34 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	0.0077	0.00040		mg/L	2	9/30/2011 1:36:56 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: 2011- Quarterly/ Annual **Work Order:** 1109B65

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-28748		*MBLK*				Batch ID:	**28748**	Analysis Date:	10/6/2011 6:58:29 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-28748		*LCS*				Batch ID:	**28748**	Analysis Date:	10/6/2011 7:01:53 AM		
Arsenic	0.5166	mg/L	0.020	0.5	0	103	85	115			
Barium	0.4958	mg/L	0.0020	0.5	0	99.2	85	115			
Cadmium	0.5031	mg/L	0.0020	0.5	0	101	85	115			
Chromium	0.4918	mg/L	0.0060	0.5	0	98.4	85	115			
Copper	0.5059	mg/L	0.0060	0.5	0	101	85	115			
Iron	0.5080	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5017	mg/L	0.0050	0.5	0	100	85	115			
Manganese	0.4826	mg/L	0.0020	0.5	0	96.5	85	115			
Selenium	0.4941	mg/L	0.050	0.5	0	98.8	85	115			
Silver	0.1007	mg/L	0.0050	0.1	0	101	85	115			
Sodium	51.21	mg/L	1.0	50	0	102	85	115			
Zinc	0.4769	mg/L	0.010	0.5	0	95.4	85	115			

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: 2011- Quarterly/ Annual **Work Order:** 1109B65

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: 1109B65-01CMSD		*MSD*				Batch ID:	R48167	Analysis Date:		10/4/2011 10:15:45 AM	
Barium	0.6942	mg/L	0.0020	0.5	0.206	97.6	70	130	0.180	20	
Chromium	0.5645	mg/L	0.0060	0.5	0.0668	99.5	70	130	0.0791	20	
Copper	0.5436	mg/L	0.0060	0.5	0	109	70	130	0.432	20	
Iron	0.6192	mg/L	0.020	0.5	0.138	96.2	70	130	1.47	20	
Lead	0.4765	mg/L	0.0050	0.5	0	95.3	70	130	0.548	20	
Silver	0.09464	mg/L	0.0050	0.1	0	94.6	70	130	0.934	20	
Zinc	0.4877	mg/L	0.010	0.5	0.0131	94.9	70	130	0.0536	20	
Sample ID: 1109B65-01CMSD		*MSD*				Batch ID:	R48167	Analysis Date:		10/4/2011 10:25:44 AM	
Calcium	409.6	mg/L	5.0	250	158	101	70	130	0.268	20	
Manganese	3.200	mg/L	0.010	2.5	0.8585	93.6	70	130	0.141	20	
Sample ID: MB		*MBLK*				Batch ID:	R48167	Analysis Date:		10/4/2011 9:56:37 AM	
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
L[illegible]	ND	mg/L	0.0050								
I[illegible]ese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	R48167	Analysis Date:		10/4/2011 10:00:06 AM	
Barium	0.4963	mg/L	0.0020	0.5	0	99.3	85	115			
Cadmium	0.5030	mg/L	0.0020	0.5	0	101	85	115			
Calcium	50.51	mg/L	1.0	50	0	101	85	115			
Chromium	0.4944	mg/L	0.0060	0.5	0	98.9	85	115			
Copper	0.5062	mg/L	0.0060	0.5	0.0007	101	85	115			
Iron	0.4952	mg/L	0.020	0.5	0	99.0	85	115			
Lead	0.4959	mg/L	0.0050	0.5	0	99.2	85	115			
Manganese	0.4815	mg/L	0.0020	0.5	0	96.3	85	115			
Silver	0.1000	mg/L	0.0050	0.1	0	100	85	115			
Zinc	0.4923	mg/L	0.010	0.5	0	98.5	85	115			
Sample ID: 1109B65-01CMS		*MS*				Batch ID:	R48167	Analysis Date:		10/4/2011 10:12:19 AM	
Barium	0.6955	mg/L	0.0020	0.5	0.206	97.9	70	130			
Chromium	0.5649	mg/L	0.0060	0.5	0.0668	99.6	70	130			
Copper	0.5412	mg/L	0.0060	0.5	0	108	70	130			
Iron	0.6283	mg/L	0.020	0.5	0.138	98.1	70	130			
Lead	0.4791	mg/L	0.0050	0.5	0	95.8	70	130			
Silver	0.09376	mg/L	0.0050	0.1	0	93.8	70	130			
Zinc	0.4880	mg/L	0.010	0.5	0.0131	95.0	70	130			
Sample ID: 1109B65-01CMS		*MS*				Batch ID:	R48167	Analysis Date:		10/4/2011 10:22:23 AM	
Calcium	410.7	mg/L	5.0	250	158	101	70	130			
M[illegible]ese	3.204	mg/L	0.010	2.5	0.8585	93.8	70	130			

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: 2011- Quarterly/ Annual **Work Order:** 1109B65

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:33:35 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:37:41 AM		
Arsenic	0.02455	mg/L	0.0010	0.025	0	98.2	85	115			
Selenium	0.02533	mg/L	0.0010	0.025	0	101	85	115			
Uranium	0.02486	mg/L	0.0010	0.025	0	99.4	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-28748		*MBLK*				Batch ID:	**28748**	Analysis Date:	10/11/2011 12:38:33 PM		
Arsenic	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-28664		*MBLK*				Batch ID:	**28664**	Analysis Date:	9/30/2011 1:03:49 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-28664		*LCS*				Batch ID:	**28664**	Analysis Date:	9/30/2011 1:05:34 PM		
Mercury	0.005360	mg/L	0.00020	0.005	0	107	80	120			

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: 2011- Quarterly/ Annual **Work Order:** 1109B65

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28670		*MBLK*				Batch ID:	**28670**	Analysis Date:		10/1/2011 3:40:05 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28670		*LCS*				Batch ID:	**28670**	Analysis Date:		10/1/2011 4:14:59 PM	
Diesel Range Organics (DRO)	6.186	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-28670		*LCSD*				Batch ID:	**28670**	Analysis Date:		10/1/2011 4:49:23 PM	
Diesel Range Organics (DRO)	6.291	mg/L	1.0	5	0	126	74	157	1.69	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48257**	Analysis Date:		10/6/2011 10:11:23 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48291**	Analysis Date:		10/7/2011 10:32:35 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48257**	Analysis Date:		10/6/2011 11:38:10 AM	
Gasoline Range Organics (GRO)	0.5630	mg/L	0.050	0.5	0	113	92.1	117			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48291**	Analysis Date:		10/7/2011 11:59:23 AM	
Gasoline Range Organics (GRO)	0.5710	mg/L	0.050	0.5	0	114	92.1	117			
od: EPA Method 8021B: Volatiles											
le ID: 5ML-RB		*MBLK*				Batch ID:	**R48257**	Analysis Date:		10/6/2011 10:11:23 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48291**	Analysis Date:		10/7/2011 10:32:35 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R48257**	Analysis Date:		10/6/2011 11:39:18 PM	
Methyl tert-butyl ether (MTBE)	17.31	µg/L	2.5	20	0	86.5	80	120			
Benzene	19.45	µg/L	1.0	20	0.2898	95.8	80	120			
Toluene	18.92	µg/L	1.0	20	0	94.6	80	120			
Ethylbenzene	19.17	µg/L	1.0	20	0	95.9	80	120			
Xylenes, Total	57.18	µg/L	2.0	60	0	95.3	80	120			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R48291**	Analysis Date:		10/7/2011 11:23:54 PM	
Methyl tert-butyl ether (MTBE)	17.01	µg/L	2.5	20	0	85.1	80	120			
Benzene	19.08	µg/L	1.0	20	0	95.4	80	120			
Toluene	18.66	µg/L	1.0	20	0	93.3	80	120			
Ethylbenzene	18.48	µg/L	1.0	20	0	92.4	80	120			
Xylenes, Total	55.37	µg/L	2.0	60	0	92.3	80	120			

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: 9/29/2011

Work Order Number 1109B65 | Received by: KMS

Checklist completed by: Signature 9/29/11 Date | Sample ID labels checked by: MG Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 mL HNO_3 to 01D-03D, added 0.4 mL HNO_3 to 03C for acceptable pH level. OK 9/30/11

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

Turn-Around Time: ☒ Standard ☐ Rush ____
Project Name: 2011 - Quarterly/Annual
Project #: LDU
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

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. 1105186	Analysis Request: 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)
9/26/11	1200	Aqueous	West LDU			1	X		X									
"	1215	"	East LDU			2	"		"									
"	1230	"	Oil Sump LDU			3	"		"									

Analysis Request: X Mercury Metals Total; X Mercury Metals Dissolved

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/29/11	1145			9/29/11	1145
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, October 24, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual/Quarterly

Order No.: 1109B60

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 9/29/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc. Date: *24-Oct-11*

CLIENT: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly
Lab Order: 1109B60

CASE NARRATIVE

Analytical Comments for METHOD 8015DRO_W, SAMPLE 1109B60-02B: DNOP not recovered due to dilution

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 1:40:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	8.3	1.0		mg/L	1	10/1/2011 7:08:26 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 7:08:26 PM
Surr: DNOP	121	81.1-147		%REC	1	10/1/2011 7:08:26 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	7.4	1.0		mg/L	20	10/7/2011 4:15:38 AM
Surr: BFB	89.2	65.4-141		%REC	20	10/7/2011 4:15:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	940	50		mg/L	100	9/30/2011 11:25:47 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Acenaphthylene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Aniline	480	50		µg/L	1	10/5/2011 7:31:20 PM
Anthracene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Azobenzene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Benz(a)anthracene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Benzo(a)pyrene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Benzoic acid	ND	100		µg/L	1	10/5/2011 7:31:20 PM
Benzyl alcohol	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	10/5/2011 7:31:20 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Butyl benzyl phthalate	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Carbazole	ND	50		µg/L	1	10/5/2011 7:31:20 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	10/5/2011 7:31:20 PM
4-Chloroaniline	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2-Chloronaphthalene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2-Chlorophenol	ND	50		µg/L	1	10/5/2011 7:31:20 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Chrysene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Di-n-butyl phthalate	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Di-n-octyl phthalate	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	10/5/2011 7:31:20 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
- 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 1:40:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Dibenzofuran	ND	50		µg/L	1	10/5/2011 7:31:20 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Diethyl phthalate	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Dimethyl phthalate	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2,4-Dichlorophenol	ND	100		µg/L	1	10/5/2011 7:31:20 PM
2,4-Dimethylphenol	340	50		µg/L	1	10/5/2011 7:31:20 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	10/5/2011 7:31:20 PM
2,4-Dinitrophenol	ND	100		µg/L	1	10/5/2011 7:31:20 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Fluoranthene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Fluorene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Hexachlorobenzene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Hexachlorobutadiene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Hexachloroethane	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Isophorone	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2-Methylnaphthalene	50	50		µg/L	1	10/5/2011 7:31:20 PM
1-Methylnaphthalene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2-Methylphenol	1600	500		µg/L	10	10/6/2011 4:11:38 PM
3+4-Methylphenol	3200	500		µg/L	10	10/6/2011 4:11:38 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	10/5/2011 7:31:20 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	10/5/2011 7:31:20 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Naphthalene	63	50		µg/L	1	10/5/2011 7:31:20 PM
2-Nitroaniline	ND	50		µg/L	1	10/5/2011 7:31:20 PM
3-Nitroaniline	ND	50		µg/L	1	10/5/2011 7:31:20 PM
4-Nitroaniline	ND	100		µg/L	1	10/5/2011 7:31:20 PM
Nitrobenzene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2-Nitrophenol	ND	50		µg/L	1	10/5/2011 7:31:20 PM
4-Nitrophenol	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Pentachlorophenol	ND	100		µg/L	1	10/5/2011 7:31:20 PM
Phenanthrene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Phenol	4400	500		µg/L	10	10/6/2011 4:11:38 PM
Pyrene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Pyridine	ND	50		µg/L	1	10/5/2011 7:31:20 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
- 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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 1:40:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
1,2,4-Trichlorobenzene	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	10/5/2011 7:31:20 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	10/5/2011 7:31:20 PM
Surr: 2,4,6-Tribromophenol	20.5	14.4-140		%REC	1	10/5/2011 7:31:20 PM
Surr: 2-Fluorobiphenyl	58.1	31.2-116		%REC	1	10/5/2011 7:31:20 PM
Surr: 2-Fluorophenol	11.9	11.8-102		%REC	10	10/6/2011 4:11:38 PM
Surr: 4-Terphenyl-d14	68.8	19.1-132		%REC	1	10/5/2011 7:31:20 PM
Surr: Nitrobenzene-d5	66.3	21.3-126		%REC	1	10/5/2011 7:31:20 PM
Surr: Phenol-d5	26.5	13.7-82.2		%REC	1	10/5/2011 7:31:20 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	300	5.0		µg/L	5	10/4/2011 1:28:22 AM
Toluene	1400	20		µg/L	20	10/4/2011 4:58:53 PM
Ethylbenzene	51	5.0		µg/L	5	10/4/2011 1:28:22 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2,4-Trimethylbenzene	80	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,3,5-Trimethylbenzene	24	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Naphthalene	50	10		µg/L	5	10/4/2011 1:28:22 AM
1-Methylnaphthalene	27	20		µg/L	5	10/4/2011 1:28:22 AM
2-Methylnaphthalene	46	20		µg/L	5	10/4/2011 1:28:22 AM
Acetone	850	50		µg/L	5	10/4/2011 1:28:22 AM
Bromobenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Bromodichloromethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Bromoform	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Bromomethane	ND	15		µg/L	5	10/4/2011 1:28:22 AM
2-Butanone	380	50		µg/L	5	10/4/2011 1:28:22 AM
Carbon disulfide	ND	50		µg/L	5	10/4/2011 1:28:22 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Chlorobenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Chloroethane	ND	10		µg/L	5	10/4/2011 1:28:22 AM
Chloroform	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Chloromethane	ND	15		µg/L	5	10/4/2011 1:28:22 AM
2-Chlorotoluene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
4-Chlorotoluene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
cis-1,2-DCE	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	10/4/2011 1:28:22 AM
Dibromochloromethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 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
- 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 1:40:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Dibromomethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
2,2-Dichloropropane	ND	10		µg/L	5	10/4/2011 1:28:22 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
2-Hexanone	ND	50		µg/L	5	10/4/2011 1:28:22 AM
Isopropylbenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	10/4/2011 1:28:22 AM
Methylene Chloride	ND	15		µg/L	5	10/4/2011 1:28:22 AM
n-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
n-Propylbenzene	9.1	5.0		µg/L	5	10/4/2011 1:28:22 AM
sec-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Styrene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
tert-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	10/4/2011 1:28:22 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
trans-1,2-DCE	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	10/4/2011 1:28:22 AM
Vinyl chloride	ND	5.0		µg/L	5	10/4/2011 1:28:22 AM
Xylenes, Total	380	7.5		µg/L	5	10/4/2011 1:28:22 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%REC	5	10/4/2011 1:28:22 AM
Surr: 4-Bromofluorobenzene	79.6	73-131		%REC	5	10/4/2011 1:28:22 AM
Surr: Dibromofluoromethane	107	70-130		%REC	5	10/4/2011 1:28:22 AM
Surr: Toluene-d8	110	70-130		%REC	5	10/4/2011 1:28:22 AM

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- 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 1:40:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
SM4500-H+B: PH						Analyst: **IC**
pH	9.82	0.100	H	pH units	1	10/10/2011 1:36:00 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
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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:05:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	23	10		mg/L	10	10/2/2011 8:09:49 PM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	10/2/2011 8:09:49 PM
Surr: DNOP	0	81.1-147	S	%REC	10	10/2/2011 8:09:49 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	1.2	0.25		mg/L	5	10/7/2011 4:47:00 AM
Surr: BFB	92.3	65.4-141		%REC	5	10/7/2011 4:47:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	2100	100		mg/L	200	10/11/2011 1:56:51 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Acenaphthylene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Aniline	390	50		µg/L	1	10/5/2011 8:00:39 PM
Anthracene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Azobenzene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Benz(a)anthracene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Benzo(a)pyrene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Benzoic acid	ND	100		µg/L	1	10/5/2011 8:00:39 PM
Benzyl alcohol	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	10/5/2011 8:00:39 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Butyl benzyl phthalate	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Carbazole	ND	50		µg/L	1	10/5/2011 8:00:39 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	10/5/2011 8:00:39 PM
4-Chloroaniline	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2-Chloronaphthalene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2-Chlorophenol	ND	50		µg/L	1	10/5/2011 8:00:39 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Chrysene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Di-n-butyl phthalate	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Di-n-octyl phthalate	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	10/5/2011 8:00:39 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:05:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Dibenzofuran	ND	50		µg/L	1	10/5/2011 8:00:39 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Diethyl phthalate	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Dimethyl phthalate	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2,4-Dichlorophenol	ND	100		µg/L	1	10/5/2011 8:00:39 PM
2,4-Dimethylphenol	270	50		µg/L	1	10/5/2011 8:00:39 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	10/5/2011 8:00:39 PM
2,4-Dinitrophenol	ND	100		µg/L	1	10/5/2011 8:00:39 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Fluoranthene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Fluorene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Hexachlorobenzene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Hexachlorobutadiene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Hexachloroethane	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Isophorone	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2-Methylnaphthalene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
1-Methylnaphthalene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2-Methylphenol	1700	500		µg/L	10	10/6/2011 4:40:53 PM
3+4-Methylphenol	2500	500		µg/L	10	10/6/2011 4:40:53 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	10/5/2011 8:00:39 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	10/5/2011 8:00:39 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Naphthalene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2-Nitroaniline	ND	50		µg/L	1	10/5/2011 8:00:39 PM
3-Nitroaniline	ND	50		µg/L	1	10/5/2011 8:00:39 PM
4-Nitroaniline	ND	100		µg/L	1	10/5/2011 8:00:39 PM
Nitrobenzene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2-Nitrophenol	ND	50		µg/L	1	10/5/2011 8:00:39 PM
4-Nitrophenol	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Pentachlorophenol	ND	100		µg/L	1	10/5/2011 8:00:39 PM
Phenanthrene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Phenol	3300	500		µg/L	10	10/6/2011 4:40:53 PM
Pyrene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Pyridine	ND	50		µg/L	1	10/5/2011 8:00:39 PM

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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:05:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2,4-Trichlorobenzene	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	10/5/2011 8:00:39 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	10/5/2011 8:00:39 PM
Surr: 2,4,6-Tribromophenol	88.2	14.4-140		%REC	1	10/5/2011 8:00:39 PM
Surr: 2-Fluorobiphenyl	63.9	31.2-116		%REC	1	10/5/2011 8:00:39 PM
Surr: 2-Fluorophenol	54.5	11.8-102		%REC	1	10/5/2011 8:00:39 PM
Surr: 4-Terphenyl-d14	82.5	19.1-132		%REC	1	10/5/2011 8:00:39 PM
Surr: Nitrobenzene-d5	75.3	21.3-126		%REC	1	10/5/2011 8:00:39 PM
Surr: Phenol-d5	46.5	13.7-82.2		%REC	1	10/5/2011 8:00:39 PM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	46	5.0		µg/L	5	10/4/2011 2:24:39 AM
Toluene	93	5.0		µg/L	5	10/4/2011 2:24:39 AM
Ethylbenzene	7.7	5.0		µg/L	5	10/4/2011 2:24:39 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2,4-Trimethylbenzene	15	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Naphthalene	21	10		µg/L	5	10/4/2011 2:24:39 AM
1-Methylnaphthalene	ND	20		µg/L	5	10/4/2011 2:24:39 AM
2-Methylnaphthalene	34	20		µg/L	5	10/4/2011 2:24:39 AM
Acetone	1500	200		µg/L	20	10/4/2011 5:55:23 PM
Bromobenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Bromodichloromethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Bromoform	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Bromomethane	ND	15		µg/L	5	10/4/2011 2:24:39 AM
2-Butanone	520	50		µg/L	5	10/4/2011 2:24:39 AM
Carbon disulfide	ND	50		µg/L	5	10/4/2011 2:24:39 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Chlorobenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Chloroethane	ND	10		µg/L	5	10/4/2011 2:24:39 AM
Chloroform	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Chloromethane	ND	15		µg/L	5	10/4/2011 2:24:39 AM
2-Chlorotoluene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
4-Chlorotoluene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
cis-1,2-DCE	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	10/4/2011 2:24:39 AM
Dibromochloromethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
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Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:05:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Dibromomethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
2,2-Dichloropropane	ND	10		µg/L	5	10/4/2011 2:24:39 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
2-Hexanone	ND	50		µg/L	5	10/4/2011 2:24:39 AM
Isopropylbenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	10/4/2011 2:24:39 AM
Methylene Chloride	ND	15		µg/L	5	10/4/2011 2:24:39 AM
n-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
n-Propylbenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
sec-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Styrene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
tert-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	10/4/2011 2:24:39 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
trans-1,2-DCE	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	10/4/2011 2:24:39 AM
Vinyl chloride	ND	5.0		µg/L	5	10/4/2011 2:24:39 AM
Xylenes, Total	60	7.5		µg/L	5	10/4/2011 2:24:39 AM
Surr: 1,2-Dichloroethane-d4	107	70-130		%REC	5	10/4/2011 2:24:39 AM
Surr: 4-Bromofluorobenzene	75.7	73-131		%REC	5	10/4/2011 2:24:39 AM
Surr: Dibromofluoromethane	108	70-130		%REC	5	10/4/2011 2:24:39 AM
Surr: Toluene-d8	108	70-130		%REC	5	10/4/2011 2:24:39 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:05:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
SM4500-H+B: PH						Analyst: **IC**
pH	9.09	0.100	H	pH units	1	10/10/2011 1:40:00 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
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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:21:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	8.3	1.0		mg/L	1	10/1/2011 7:42:31 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 7:42:31 PM
Surr: DNOP	114	81.1-147		%REC	1	10/1/2011 7:42:31 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.78	0.25		mg/L	5	10/7/2011 5:17:07 AM
Surr: BFB	109	65.4-141		%REC	5	10/7/2011 5:17:07 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	25	2.0		mg/L	20	9/30/2011 12:18:01 PM
Chloride	3300	250		mg/L	500	10/11/2011 2:14:16 AM
Bromide	580	10		mg/L	100	9/30/2011 12:35:25 PM
Nitrate (As N)+Nitrite (As N)	67	10		mg/L	50	10/11/2011 8:13:42 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	9/30/2011 12:18:01 PM
Sulfate	1800	50		mg/L	100	9/30/2011 12:35:25 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.017	0.0020		mg/L	1	10/4/2011 11:51:59 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:51:59 AM
Calcium	72	1.0		mg/L	1	10/4/2011 11:51:59 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 11:51:59 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:51:59 AM
Iron	1.3	0.10		mg/L	5	10/4/2011 11:54:26 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:51:59 AM
Magnesium	110	5.0		mg/L	5	10/4/2011 11:54:26 AM
Manganese	0.050	0.0020		mg/L	1	10/4/2011 11:51:59 AM
Potassium	910	100		mg/L	100	10/4/2011 12:33:55 PM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:51:59 AM
Sodium	2100	100		mg/L	100	10/4/2011 12:33:55 PM
Zinc	0.047	0.010		mg/L	1	10/4/2011 11:51:59 AM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.090	0.0020		mg/L	1	10/6/2011 8:38:41 AM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 8:38:41 AM
Calcium	110	5.0		mg/L	5	10/6/2011 8:41:05 AM
Chromium	0.013	0.0060		mg/L	1	10/6/2011 8:38:41 AM
Copper	0.028	0.0060		mg/L	1	10/6/2011 8:38:41 AM
Iron	5.9	0.20		mg/L	10	10/6/2011 10:00:38 AM
Lead	ND	0.0050		mg/L	1	10/6/2011 8:38:41 AM
Magnesium	110	5.0		mg/L	5	10/6/2011 8:41:05 AM

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- 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:21:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Manganese	0.077	0.0020		mg/L	1	10/6/2011 8:38:41 AM
Potassium	770	10		mg/L	10	10/6/2011 10:00:38 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 8:38:41 AM
Sodium	1900	50		mg/L	50	10/6/2011 10:03:39 AM
Zinc	0.23	0.010		mg/L	1	10/6/2011 8:38:41 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0091	0.0050		mg/L	5	10/12/2011 2:56:59 PM
Selenium	0.016	0.0050		mg/L	5	10/12/2011 2:56:59 PM
Uranium	ND	0.0050		mg/L	5	10/12/2011 2:56:59 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0097	0.0025		mg/L	2.5	10/11/2011 1:19:30 PM
Selenium	0.021	0.0025		mg/L	2.5	10/11/2011 1:19:30 PM
Uranium	ND	0.0025		mg/L	2.5	10/11/2011 1:19:30 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	0.0023	0.00020		mg/L	1	9/30/2011 1:29:06 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Acenaphthylene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Aniline	220	50		µg/L	1	10/5/2011 8:29:48 PM
Anthracene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Azobenzene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Benz(a)anthracene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Benzo(a)pyrene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Benzoic acid	ND	100		µg/L	1	10/5/2011 8:29:48 PM
Benzyl alcohol	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	10/5/2011 8:29:48 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Butyl benzyl phthalate	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Carbazole	ND	50		µg/L	1	10/5/2011 8:29:48 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	10/5/2011 8:29:48 PM

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- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:21:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloroaniline	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2-Chloronaphthalene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2-Chlorophenol	ND	50		µg/L	1	10/5/2011 8:29:48 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Chrysene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Di-n-butyl phthalate	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Di-n-octyl phthalate	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Dibenzofuran	ND	50		µg/L	1	10/5/2011 8:29:48 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Diethyl phthalate	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Dimethyl phthalate	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2,4-Dichlorophenol	ND	100		µg/L	1	10/5/2011 8:29:48 PM
2,4-Dimethylphenol	150	50		µg/L	1	10/5/2011 8:29:48 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	10/5/2011 8:29:48 PM
2,4-Dinitrophenol	ND	100		µg/L	1	10/5/2011 8:29:48 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Fluoranthene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Fluorene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Hexachlorobenzene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Hexachlorobutadiene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Hexachloroethane	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Isophorone	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2-Methylnaphthalene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
1-Methylnaphthalene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2-Methylphenol	1100	250		µg/L	5	10/6/2011 5:10:08 PM
3+4-Methylphenol	1100	250		µg/L	5	10/6/2011 5:10:08 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	10/5/2011 8:29:48 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	10/5/2011 8:29:48 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Naphthalene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2-Nitroaniline	ND	50		µg/L	1	10/5/2011 8:29:48 PM
3-Nitroaniline	ND	50		µg/L	1	10/5/2011 8:29:48 PM
4-Nitroaniline	ND	100		µg/L	1	10/5/2011 8:29:48 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:21:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Nitrobenzene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2-Nitrophenol	ND	50		µg/L	1	10/5/2011 8:29:48 PM
4-Nitrophenol	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Pentachlorophenol	ND	100		µg/L	1	10/5/2011 8:29:48 PM
Phenanthrene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Phenol	490	50		µg/L	1	10/5/2011 8:29:48 PM
Pyrene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Pyridine	ND	50		µg/L	1	10/5/2011 8:29:48 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	10/5/2011 8:29:48 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	10/5/2011 8:29:48 PM
Surr: 2,4,6-Tribromophenol	95.9	14.4-140		%REC	1	10/5/2011 8:29:48 PM
Surr: 2-Fluorobiphenyl	73.0	31.2-116		%REC	1	10/5/2011 8:29:48 PM
Surr: 2-Fluorophenol	56.6	11.8-102		%REC	1	10/5/2011 8:29:48 PM
Surr: 4-Terphenyl-d14	82.1	19.1-132		%REC	1	10/5/2011 8:29:48 PM
Surr: Nitrobenzene-d5	78.6	21.3-126		%REC	1	10/5/2011 8:29:48 PM
Surr: Phenol-d5	47.3	13.7-82.2		%REC	1	10/5/2011 8:29:48 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Toluene	9.5	5.0		µg/L	5	10/4/2011 3:21:13 AM
Ethylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Naphthalene	ND	10		µg/L	5	10/4/2011 3:21:13 AM
1-Methylnaphthalene	ND	20		µg/L	5	10/4/2011 3:21:13 AM
2-Methylnaphthalene	23	20		µg/L	5	10/4/2011 3:21:13 AM
Acetone	650	50		µg/L	5	10/4/2011 3:21:13 AM
Bromobenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Bromodichloromethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Bromoform	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Bromomethane	ND	15		µg/L	5	10/4/2011 3:21:13 AM
2-Butanone	260	50		µg/L	5	10/4/2011 3:21:13 AM
Carbon disulfide	ND	50		µg/L	5	10/4/2011 3:21:13 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Chlorobenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Chloroethane	ND	10		µg/L	5	10/4/2011 3:21:13 AM

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:21:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Chloroform	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Chloromethane	ND	15		µg/L	5	10/4/2011 3:21:13 AM
2-Chlorotoluene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
4-Chlorotoluene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
cis-1,2-DCE	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	10/4/2011 3:21:13 AM
Dibromochloromethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Dibromomethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
2,2-Dichloropropane	ND	10		µg/L	5	10/4/2011 3:21:13 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
2-Hexanone	ND	50		µg/L	5	10/4/2011 3:21:13 AM
Isopropylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	10/4/2011 3:21:13 AM
Methylene Chloride	ND	15		µg/L	5	10/4/2011 3:21:13 AM
n-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
n-Propylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
sec-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Styrene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
tert-Butylbenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	10/4/2011 3:21:13 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
trans-1,2-DCE	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1109B60	**Collection Date:**	9/28/2011 2:21:00 PM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Trichlorofluoromethane	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	10/4/2011 3:21:13 AM
Vinyl chloride	ND	5.0		µg/L	5	10/4/2011 3:21:13 AM
Xylenes, Total	ND	7.5		µg/L	5	10/4/2011 3:21:13 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%REC	5	10/4/2011 3:21:13 AM
Surr: 4-Bromofluorobenzene	78.0	73-131		%REC	5	10/4/2011 3:21:13 AM
Surr: Dibromofluoromethane	105	70-130		%REC	5	10/4/2011 3:21:13 AM
Surr: Toluene-d8	106	70-130		%REC	5	10/4/2011 3:21:13 AM
SM4500-H+B: PH						Analyst: **IC**
pH	8.68	0.100	H	pH units	1	10/10/2011 1:44:00 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
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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-1
Lab Order:	1109B60	**Collection Date:**	9/29/2011 7:45:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: JAL
Biochemical Oxygen Demand	450	2.0		mg/L	1	10/5/2011 7:00:00 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
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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To AL-2
Lab Order:	1109B60	**Collection Date:**	9/29/2011 7:50:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	340	2.0		mg/L	1	10/5/2011 7:00:00 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
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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1109B60	**Collection Date:**	9/29/2011 7:55:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	180	2.0		mg/L	1	10/5/2011 7:00:00 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1109B60	**Collection Date:**	
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/7/2011 7:49:30 PM
Surr: BFB	97.1	65.4-141		%REC	1	10/7/2011 7:49:30 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Toluene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Ethylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Naphthalene	ND	2.0		µg/L	1	10/4/2011 4:45:52 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/4/2011 4:45:52 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/4/2011 4:45:52 AM
Acetone	ND	10		µg/L	1	10/4/2011 4:45:52 AM
Bromobenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Bromoform	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Bromomethane	ND	3.0		µg/L	1	10/4/2011 4:45:52 AM
2-Butanone	ND	10		µg/L	1	10/4/2011 4:45:52 AM
Carbon disulfide	ND	10		µg/L	1	10/4/2011 4:45:52 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Chlorobenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Chloroethane	ND	2.0		µg/L	1	10/4/2011 4:45:52 AM
Chloroform	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Chloromethane	ND	3.0		µg/L	1	10/4/2011 4:45:52 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/4/2011 4:45:52 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Dibromomethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM

Qualifiers:

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- 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1109B60	**Collection Date:**	
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B60-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2-Dichloropropane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/4/2011 4:45:52 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
2-Hexanone	ND	10		µg/L	1	10/4/2011 4:45:52 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/4/2011 4:45:52 AM
Methylene Chloride	ND	3.0		µg/L	1	10/4/2011 4:45:52 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Styrene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/4/2011 4:45:52 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/4/2011 4:45:52 AM
Vinyl chloride	ND	1.0		µg/L	1	10/4/2011 4:45:52 AM
Xylenes, Total	ND	1.5		µg/L	1	10/4/2011 4:45:52 AM
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%REC	1	10/4/2011 4:45:52 AM
Surr: 4-Bromofluorobenzene	88.2	73-131		%REC	1	10/4/2011 4:45:52 AM
Surr: Dibromofluoromethane	101	70-130		%REC	1	10/4/2011 4:45:52 AM
Surr: Toluene-d8	98.6	70-130		%REC	1	10/4/2011 4:45:52 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111004028
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1109B60
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111004028-001	**Sampling Date**	9/28/2011	**Date/Time Received**	10/4/2011 1:10 PM
Client Sample ID	1109B60-01E / INFL TO AL-1	**Sampling Time**	1:40 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	760	mg/L	50	10/11/2011	JLU	EPA 410.4	

Sample Number	111004028-002	**Sampling Date**	9/28/2011	**Date/Time Received**	10/4/2011 1:10 PM
Client Sample ID	1109B60-02E / INFL TO AL-2	**Sampling Time**	2:05 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	654	mg/L	50	10/11/2011	JLU	EPA 410.4	

Sample Number	111004028-003	**Sampling Date**	9/28/2011	**Date/Time Received**	10/4/2011 1:10 PM
Client Sample ID	1109B60-03F / INFL TO EP-1	**Sampling Time**	2:21 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	602	mg/L	25	10/11/2011	JLU	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Metals**											
Sample ID: **MB-28748**		*MBLK*				**Batch ID:**	**28748**	**Analysis Date:**	10/6/2011 6:58:29 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **LCS-28748**		*LCS*				**Batch ID:**	**28748**	**Analysis Date:**	10/6/2011 7:01:53 AM		
Arsenic	0.5166	mg/L	0.020	0.5	0	103	85	115			
[illegible]m	0.4958	mg/L	0.0020	0.5	0	99.2	85	115			
[illegible]ium	0.5031	mg/L	0.0020	0.5	0	101	85	115			
Calcium	50.72	mg/L	1.0	50	0	101	85	115			
Chromium	0.4918	mg/L	0.0060	0.5	0	98.4	85	115			
Copper	0.5059	mg/L	0.0060	0.5	0	101	85	115			
Iron	0.5080	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5017	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	52.33	mg/L	1.0	50	0	105	85	115			
Manganese	0.4826	mg/L	0.0020	0.5	0	96.5	85	115			
Potassium	51.01	mg/L	1.0	50	0	102	85	115			
Selenium	0.4941	mg/L	0.050	0.5	0	98.8	85	115			
Silver	0.1007	mg/L	0.0050	0.1	0	101	85	115			
Sodium	51.21	mg/L	1.0	50	0	102	85	115			
Zinc	0.4769	mg/L	0.010	0.5	0	95.4	85	115			

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: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R48167**		**Analysis Date: 10/4/2011 9:56:37 AM**			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				**Batch ID: R48167**		**Analysis Date: 10/4/2011 10:00:06 AM**			
Barium	0.4963	mg/L	0.0020	0.5	0	99.3	85	115			
Cadmium	0.5030	mg/L	0.0020	0.5	0	101	85	115			
Calcium	50.51	mg/L	1.0	50	0	101	85	115			
Chromium	0.4944	mg/L	0.0060	0.5	0	98.9	85	115			
Copper	0.5062	mg/L	0.0060	0.5	0.0007	101	85	115			
Iron	0.4952	mg/L	0.020	0.5	0	99.0	85	115			
Lead	0.4959	mg/L	0.0050	0.5	0	99.2	85	115			
Magnesium	50.90	mg/L	1.0	50	0	102	85	115			
Manganese	0.4815	mg/L	0.0020	0.5	0	96.3	85	115			
Potassium	49.65	mg/L	1.0	50	0	99.3	85	115			
Silver	0.1000	mg/L	0.0050	0.1	0	100	85	115			
Sodium	50.02	mg/L	1.0	50	0	100	85	115			
Zinc	0.4923	mg/L	0.010	0.5	0	98.5	85	115			

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

:nt: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:33:35 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:37:41 AM		
Arsenic	0.02455	mg/L	0.0010	0.025	0	98.2	85	115			
Selenium	0.02533	mg/L	0.0010	0.025	0	101	85	115			
Uranium	0.02486	mg/L	0.0010	0.025	0	99.4	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA 200.8: Metals											
ıle ID: MB-28748		*MBLK*				Batch ID:	**28748**	Analysis Date:	10/11/2011 12:38:33 PM		
ıc	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-28664		*MBLK*				Batch ID:	**28664**	Analysis Date:	9/30/2011 1:03:49 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-28664		*LCS*				Batch ID:	**28664**	Analysis Date:	9/30/2011 1:05:34 PM		
Mercury	0.005360	mg/L	0.00020	0.005	0	107	80	120			

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: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48122**	Analysis Date:	9/30/2011 10:33:34 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48122**	Analysis Date:	10/1/2011 1:56:16 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48312**	Analysis Date:	10/10/2011 11:43:50 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:13:54 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48122**	Analysis Date:	9/30/2011 10:50:58 AM		
Fluoride	0.5153	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.874	mg/L	0.50	5	0	97.5	90	110			
Bromide	2.485	mg/L	0.10	2.5	0	99.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.477	mg/L	0.20	3.5	0	99.3	90	110			
Phosphorus, Orthophosphate (As P)	4.873	mg/L	0.50	5	0	97.5	90	110			
Sulfate	9.835	mg/L	0.50	10	0	98.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48122**	Analysis Date:	10/1/2011 2:13:40 AM		
Fluoride	0.5084	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.800	mg/L	0.50	5	0	96.0	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.447	mg/L	0.20	3.5	0	98.5	90	110			
Phosphorus, Orthophosphate (As P)	4.796	mg/L	0.50	5	0	95.9	90	110			
Sulfate	9.653	mg/L	0.50	10	0	96.5	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48312**	Analysis Date:	10/10/2011 12:01:14 PM		
Fluoride	0.4946	mg/L	0.10	0.5	0	98.9	90	110			

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: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R48312**	Analysis Date:	10/10/2011 12:01:14 PM		
Chloride	4.982	mg/L	0.50	5	0	99.6	90	110			
Bromide	2.522	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.578	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	4.984	mg/L	0.50	5	0	99.7	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:31:19 AM		
Fluoride	0.4914	mg/L	0.10	0.5	0	98.3	90	110			
Chloride	4.723	mg/L	0.50	5	0	94.5	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.370	mg/L	0.20	3.5	0	96.3	90	110			
Phosphorus, Orthophosphate (As P)	4.738	mg/L	0.50	5	0	94.8	90	110			
Sulfate	9.426	mg/L	0.50	10	0	94.3	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28670		*MBLK*				Batch ID:	**28670**	Analysis Date:	10/1/2011 3:40:05 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
'e ID: LCS-28670		*LCS*				Batch ID:	**28670**	Analysis Date:	10/1/2011 4:14:59 PM		
Range Organics (DRO)	6.186	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-28670		*LCSD*				Batch ID:	**28670**	Analysis Date:	10/1/2011 4:49:23 PM		
Diesel Range Organics (DRO)	6.291	mg/L	1.0	5	0	126	74	157	1.69	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48262**	Analysis Date:	10/6/2011 10:14:00 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48292**	Analysis Date:	10/7/2011 10:34:50 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48262**	Analysis Date:	10/6/2011 12:14:36 PM		
Gasoline Range Organics (GRO)	0.5410	mg/L	0.050	0.5	0	108	92.1	117			

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48119**		**Analysis Date: 10/3/2011 9:27:22 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48119**		**Analysis Date: 10/3/2011 9:27:22 AM**			
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
T[illegible]hlorofluoromethane	ND	µg/L	1.0								
[illegible]richloropropane	ND	µg/L	2.0								
[illegible] chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48174**		**Analysis Date: 10/4/2011 8:58:28 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
[illegible]form	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					Batch ID: **R48174**		Analysis Date:	10/4/2011 8:58:28 AM	
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*					Batch ID: **R48119**		Analysis Date:	10/3/2011 10:23:45 AM	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R48119**	Analysis Date:		10/3/2011 10:23:45 AM	
Benzene	20.46	µg/L	1.0	20	0	102	81.1	130			
Toluene	21.96	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	22.43	µg/L	1.0	20	0	112	70	130			
1,1-Dichloroethene	19.54	µg/L	1.0	20	0	97.7	83.1	126			
Trichloroethene (TCE)	18.13	µg/L	1.0	20	0	90.7	67.4	137			
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R48174**	Analysis Date:		10/4/2011 10:51:26 AM	
Benzene	21.25	µg/L	1.0	20	0	106	81.1	130			
Toluene	21.71	µg/L	1.0	20	0	109	82.3	122			
Chlorobenzene	21.70	µg/L	1.0	20	0	109	70	130			
1,1-Dichloroethene	20.61	µg/L	1.0	20	0	103	83.1	126			
Trichloroethene (TCE)	19.02	µg/L	1.0	20	0	95.1	67.4	137			

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: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28689		*MBLK*				Batch ID: **28689**		Analysis Date: 10/5/2011 12:41:29 PM			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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

ent: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28689		*MBLK*				**Batch ID: 28689**		**Analysis Date:**	10/5/2011 12:41:29 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
ophenol	ND	µg/L	10								
ntachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-28689		*LCS*				**Batch ID: 28689**		**Analysis Date:**	10/5/2011 1:10:39 PM		
Acenaphthene	70.50	µg/L	10	100	0	70.5	31.7	107			
4-Chloro-3-methylphenol	142.5	µg/L	10	200	0	71.3	24.4	123			
2-Chlorophenol	128.3	µg/L	10	200	0	64.2	24.7	104			
1,4-Dichlorobenzene	56.54	µg/L	10	100	0	56.5	20.3	95			
2,4-Dinitrotoluene	70.12	µg/L	10	100	0	70.1	22.4	106			
N-Nitrosodi-n-propylamine	63.38	µg/L	10	100	0	63.4	25.3	107			
4-Nitrophenol	77.10	µg/L	10	200	0	38.6	11.6	110			
Pentachlorophenol	107.3	µg/L	20	200	0	53.7	19.5	113			
Phenol	74.46	µg/L	10	200	0	37.2	16.1	69.3			
Pyrene	67.58	µg/L	10	100	0	67.6	38.3	99.3			
1,2,4-Trichlorobenzene	56.06	µg/L	10	100	0	56.1	25	97.3			
Sample ID: lcsd-28689		*LCSD*				**Batch ID: 28689**		**Analysis Date:**	10/5/2011 1:39:47 PM		
Acenaphthene	66.70	µg/L	10	100	0	66.7	31.7	107	5.54	20	
4-Chloro-3-methylphenol	134.1	µg/L	10	200	0	67.0	24.4	123	6.10	20	
2-Chlorophenol	125.0	µg/L	10	200	0	62.5	24.7	104	2.65	20	
Dichlorobenzene	48.70	µg/L	10	100	0	48.7	20.3	95	14.9	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: 2011 Annual/Quarterly **Work Order:** 1109B60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-28689		*LCSD*				Batch ID:	**28689**	Analysis Date:		10/5/2011 1:39:47 PM	
2,4-Dinitrotoluene	70.48	µg/L	10	100	0	70.5	22.4	106	0.512	20	
N-Nitrosodi-n-propylamine	55.90	µg/L	10	100	0	55.9	25.3	107	12.5	20	
4-Nitrophenol	73.30	µg/L	10	200	0	36.7	11.6	110	5.05	20	
Pentachlorophenol	97.86	µg/L	20	200	0	48.9	19.5	113	9.20	20	
Phenol	74.52	µg/L	10	200	0	37.3	16.1	69.3	0.0805	20	
Pyrene	60.76	µg/L	10	100	0	60.8	38.3	99.3	10.6	20	
1,2,4-Trichlorobenzene	47.48	µg/L	10	100	0	47.5	25	97.3	16.6	20	
Method: SM5210B: BOD											
Sample ID: MB-28659		*MBLK*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-28659		*MBLK*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-28659		*LCS*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	178.3	mg/L	2.0	198	0	90.0	84.6	115.4			
Sample ID: LCSD-28659		*LCSD*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	181.3	mg/L	2.0	198	0	91.5	84.6	115.4	1.67	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

ant Name WESTERN REFINING GALLU — Date Received: 9/29/2011

Work Order Number 1109B60 — Received by: KMS

Checklist completed by: Signature 9/29/11 Date — Sample ID labels checked by: MG Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑ ~~☐~~	No ☐	N/A ~~☐~~ ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 mL HNO3 to 03E for acceptable pH level. dtg 9/30/11

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2011 Annual/Quarterly
Project #: Influents
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☐ Yes ☐ No
Sample Temperature: 1.6

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. 1109BL40	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1) WDRC	EPA (Method 8015B) – DISSOLVED	8310 (PNAs only)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA) + phenols	chlorides, pH	COD	BOD	Nitrates/Nitrites/pH/Chloride	Air Bubbles (Y or N)
9/28/11	1340	AQ	Infl to AL-1			1			X							X	X	X	X			
	1405		Infl to AL-2			2			X							X	X	X	X			
	1421		Infl to EP-1			3			X	X	X					X	X		X		X	
9/29/11	0745		Infl to AL-1			4														X		
	0750		Infl to AL-2			5														X		
	0755		Infl to EP-1			6														X		
			TRIP Blank			7																

Date	Time	Relinquished by:	Received by:	Date	Time
9/29/11	1145			9/29/11	1145
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If neces ...amples submitted to Hall Environmental may be subcontracted to other accredited laboratories ...erves as notice of this possibility. Any sub-contracted data will be clearly notated on the analy... ...ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, October 24, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual Sampling

Order No.: 1109B62

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 9/29/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1109B62	**Collection Date:**	9/27/2011 10:55:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/1/2011 8:17:09 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 8:17:09 PM
Surr: DNOP	121	81.1-147		%REC	1	10/1/2011 8:17:09 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/5/2011 2:03:58 AM
Surr: BFB	93.9	65.4-141		%REC	1	10/5/2011 2:03:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/6/2011 12:39:46 AM
Benzene	ND	1.0		µg/L	1	10/5/2011 2:03:58 AM
Toluene	ND	1.0		µg/L	1	10/5/2011 2:03:58 AM
Ethylbenzene	ND	1.0		µg/L	1	10/5/2011 2:03:58 AM
Xylenes, Total	ND	2.0		µg/L	1	10/5/2011 2:03:58 AM
Surr: 4-Bromofluorobenzene	86.8	76.5-115		%REC	1	10/5/2011 2:03:58 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.1	0.50		mg/L	5	9/30/2011 2:02:28 PM
Chloride	180	10		mg/L	20	9/30/2011 2:19:52 PM
Bromide	2.2	0.50		mg/L	5	9/30/2011 2:02:28 PM
Nitrate (As N)+Nitrite (As N)	58	1.0		mg/L	5	10/10/2011 11:37:34 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	9/30/2011 2:02:28 PM
Sulfate	110	2.5		mg/L	5	9/30/2011 2:02:28 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.12	0.0020		mg/L	1	10/4/2011 10:46:05 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 10:46:05 AM
Calcium	71	1.0		mg/L	1	10/4/2011 10:46:05 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 10:46:05 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 10:46:05 AM
Iron	ND	0.020		mg/L	1	10/4/2011 10:46:05 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 10:46:05 AM
Magnesium	13	1.0		mg/L	1	10/4/2011 10:46:05 AM
Manganese	0.056	0.0020		mg/L	1	10/4/2011 10:46:05 AM
Potassium	2.0	1.0		mg/L	1	10/4/2011 10:46:05 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 10:46:05 AM
Sodium	400	5.0		mg/L	5	10/4/2011 10:49:15 AM
Zinc	0.011	0.010		mg/L	1	10/4/2011 10:46:05 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1109B62	**Collection Date:**	9/27/2011 10:55:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.13	0.0020		mg/L	1	10/7/2011 8:53:20 AM
Cadmium	ND	0.0020		mg/L	1	10/7/2011 8:53:20 AM
Calcium	69	1.0		mg/L	1	10/7/2011 8:53:20 AM
Chromium	ND	0.0060		mg/L	1	10/7/2011 8:53:20 AM
Copper	ND	0.0060		mg/L	1	10/7/2011 8:53:20 AM
Iron	0.59	0.020		mg/L	1	10/7/2011 8:53:20 AM
Lead	ND	0.0050		mg/L	1	10/7/2011 8:53:20 AM
Magnesium	12	1.0		mg/L	1	10/7/2011 8:53:20 AM
Manganese	0.092	0.0020		mg/L	1	10/7/2011 8:53:20 AM
Potassium	1.4	1.0		mg/L	1	10/7/2011 8:53:20 AM
Silver	ND	0.0050		mg/L	1	10/7/2011 8:53:20 AM
Sodium	410	5.0		mg/L	5	10/7/2011 8:56:31 AM
Zinc	ND	0.010		mg/L	1	10/7/2011 8:53:20 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0029	0.0010		mg/L	1	10/12/2011 1:24:21 PM
Selenium	0.0092	0.0010		mg/L	1	10/12/2011 1:24:21 PM
Uranium	0.032	0.0010		mg/L	1	10/12/2011 1:24:21 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	10/10/2011 4:58:11 PM
Selenium	0.0067	0.0025		mg/L	2.5	10/10/2011 4:58:11 PM
Uranium	0.046	0.0025		mg/L	2.5	10/10/2011 4:58:11 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/6/2011 1:34:32 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Acenaphthylene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Aniline	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Anthracene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Azobenzene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Benz(a)anthracene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Benzoic acid	ND	20		µg/L	1	10/5/2011 8:58:57 PM
Benzyl alcohol	ND	10		µg/L	1	10/5/2011 8:58:57 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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1109B62	**Collection Date:**	9/27/2011 10:55:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/5/2011 8:58:57 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Carbazole	ND	10		µg/L	1	10/5/2011 8:58:57 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
4-Chloroaniline	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2-Chlorophenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Chrysene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Dibenzofuran	ND	10		µg/L	1	10/5/2011 8:58:57 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Diethyl phthalate	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Dimethyl phthalate	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/5/2011 8:58:57 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/5/2011 8:58:57 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/5/2011 8:58:57 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Fluoranthene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Fluorene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Hexachlorobenzene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Hexachloroethane	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Isophorone	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
1-Methylnaphthalene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2-Methylphenol	ND	10		µg/L	1	10/5/2011 8:58:57 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
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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1109B62	**Collection Date:**	9/27/2011 10:55:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3+4-Methylphenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/5/2011 8:58:57 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/5/2011 8:58:57 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Naphthalene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2-Nitroaniline	ND	10		µg/L	1	10/5/2011 8:58:57 PM
3-Nitroaniline	ND	10		µg/L	1	10/5/2011 8:58:57 PM
4-Nitroaniline	ND	20		µg/L	1	10/5/2011 8:58:57 PM
Nitrobenzene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2-Nitrophenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
4-Nitrophenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Pentachlorophenol	ND	20		µg/L	1	10/5/2011 8:58:57 PM
Phenanthrene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Phenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Pyrene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Pyridine	ND	10		µg/L	1	10/5/2011 8:58:57 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/5/2011 8:58:57 PM
Surr: 2,4,6-Tribromophenol	68.2	14.4-140		%REC	1	10/5/2011 8:58:57 PM
Surr: 2-Fluorobiphenyl	58.2	31.2-116		%REC	1	10/5/2011 8:58:57 PM
Surr: 2-Fluorophenol	48.5	11.8-102		%REC	1	10/5/2011 8:58:57 PM
Surr: 4-Terphenyl-d14	61.2	19.1-132		%REC	1	10/5/2011 8:58:57 PM
Surr: Nitrobenzene-d5	67.3	21.3-126		%REC	1	10/5/2011 8:58:57 PM
Surr: Phenol-d5	32.8	13.7-82.2		%REC	1	10/5/2011 8:58:57 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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1109B62	**Collection Date:**	9/27/2011 11:33:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.1	1.0		mg/L	1	10/1/2011 9:25:39 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 9:25:39 PM
Surr: DNOP	121	81.1-147		%REC	1	10/1/2011 9:25:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.69	0.25		mg/L	5	10/5/2011 2:34:03 AM
Surr: BFB	99.2	65.4-141		%REC	5	10/5/2011 2:34:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	330	13		µg/L	5	10/6/2011 1:08:36 AM
Benzene	35	5.0		µg/L	5	10/5/2011 2:34:03 AM
Toluene	ND	5.0		µg/L	5	10/5/2011 2:34:03 AM
Ethylbenzene	ND	5.0		µg/L	5	10/5/2011 2:34:03 AM
Xylenes, Total	ND	10		µg/L	5	10/5/2011 2:34:03 AM
Surr: 4-Bromofluorobenzene	90.6	76.5-115		%REC	5	10/5/2011 2:34:03 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.8	0.50		mg/L	5	9/30/2011 2:37:17 PM
Chloride	270	10		mg/L	20	9/30/2011 2:54:42 PM
Bromide	1.2	0.50		mg/L	5	9/30/2011 2:37:17 PM
Nitrate (As N)+Nitrite (As N)	80	4.0		mg/L	20	10/11/2011 7:38:53 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	9/30/2011 2:37:17 PM
Sulfate	6.0	2.5		mg/L	5	9/30/2011 2:37:17 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	1.4	0.010		mg/L	5	10/4/2011 11:06:44 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:04:08 AM
Calcium	79	1.0		mg/L	1	10/4/2011 11:04:08 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 11:04:08 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:04:08 AM
Iron	2.2	0.10		mg/L	5	10/4/2011 11:06:44 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:04:08 AM
Magnesium	15	1.0		mg/L	1	10/4/2011 11:04:08 AM
Manganese	1.2	0.010		mg/L	5	10/4/2011 11:06:44 AM
Potassium	ND	1.0		mg/L	1	10/4/2011 11:04:08 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:04:08 AM
Sodium	330	5.0		mg/L	5	10/4/2011 11:06:44 AM
Zinc	0.015	0.010		mg/L	1	10/4/2011 11:04:08 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**

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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1109B62	**Collection Date:**	9/27/2011 11:33:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	1.7	0.010		mg/L	5	10/7/2011 9:02:05 AM
Cadmium	ND	0.0020		mg/L	1	10/7/2011 8:59:36 AM
Calcium	85	1.0		mg/L	1	10/7/2011 8:59:36 AM
Chromium	ND	0.0060		mg/L	1	10/7/2011 8:59:36 AM
Copper	ND	0.0060		mg/L	1	10/7/2011 8:59:36 AM
Iron	4.2	0.10		mg/L	5	10/7/2011 9:02:05 AM
Lead	ND	0.0050		mg/L	1	10/7/2011 8:59:36 AM
Magnesium	16	1.0		mg/L	1	10/7/2011 8:59:36 AM
Manganese	1.3	0.010		mg/L	5	10/7/2011 9:02:05 AM
Potassium	ND	1.0		mg/L	1	10/7/2011 8:59:36 AM
Silver	ND	0.0050		mg/L	1	10/7/2011 8:59:36 AM
Sodium	310	5.0		mg/L	5	10/7/2011 9:02:05 AM
Zinc	0.016	0.010		mg/L	1	10/7/2011 8:59:36 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.011	0.0010		mg/L	1	10/12/2011 1:28:26 PM
Selenium	0.0050	0.0010		mg/L	1	10/12/2011 1:28:26 PM
Uranium	ND	0.0010		mg/L	1	10/12/2011 1:28:26 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.012	0.0025		mg/L	2.5	10/10/2011 5:02:17 PM
Selenium	0.0034	0.0025		mg/L	2.5	10/10/2011 5:02:17 PM
Uranium	ND	0.0025		mg/L	2.5	10/10/2011 5:02:17 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/6/2011 1:36:17 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Acenaphthylene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Aniline	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Anthracene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Azobenzene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Benz(a)anthracene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Benzoic acid	ND	20		µg/L	1	10/5/2011 9:28:02 PM
Benzyl alcohol	ND	10		µg/L	1	10/5/2011 9:28:02 PM

Qualifiers:

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- 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1109B62	**Collection Date:**	9/27/2011 11:33:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/5/2011 9:28:02 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Carbazole	ND	10		µg/L	1	10/5/2011 9:28:02 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
4-Chloroaniline	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2-Chlorophenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Chrysene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Dibenzofuran	ND	10		µg/L	1	10/5/2011 9:28:02 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Diethyl phthalate	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Dimethyl phthalate	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/5/2011 9:28:02 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/5/2011 9:28:02 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/5/2011 9:28:02 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Fluoranthene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Fluorene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Hexachlorobenzene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Hexachloroethane	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Isophorone	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
1-Methylnaphthalene	12	10		µg/L	1	10/5/2011 9:28:02 PM
2-Methylphenol	ND	10		µg/L	1	10/5/2011 9:28:02 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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1109B62	**Collection Date:**	9/27/2011 11:33:00 AM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3+4-Methylphenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/5/2011 9:28:02 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/5/2011 9:28:02 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Naphthalene	11	10		µg/L	1	10/5/2011 9:28:02 PM
2-Nitroaniline	ND	10		µg/L	1	10/5/2011 9:28:02 PM
3-Nitroaniline	ND	10		µg/L	1	10/5/2011 9:28:02 PM
4-Nitroaniline	ND	20		µg/L	1	10/5/2011 9:28:02 PM
Nitrobenzene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2-Nitrophenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
4-Nitrophenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Pentachlorophenol	ND	20		µg/L	1	10/5/2011 9:28:02 PM
Phenanthrene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Phenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Pyrene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Pyridine	ND	10		µg/L	1	10/5/2011 9:28:02 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/5/2011 9:28:02 PM
Surr: 2,4,6-Tribromophenol	74.8	14.4-140		%REC	1	10/5/2011 9:28:02 PM
Surr: 2-Fluorobiphenyl	64.1	31.2-116		%REC	1	10/5/2011 9:28:02 PM
Surr: 2-Fluorophenol	46.6	11.8-102		%REC	1	10/5/2011 9:28:02 PM
Surr: 4-Terphenyl-d14	65.3	19.1-132		%REC	1	10/5/2011 9:28:02 PM
Surr: Nitrobenzene-d5	62.2	21.3-126		%REC	1	10/5/2011 9:28:02 PM
Surr: Phenol-d5	36.8	13.7-82.2		%REC	1	10/5/2011 9:28:02 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 12:20:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	2.1	1.0		mg/L	1	10/1/2011 10:00:17 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 10:00:17 PM
Surr: DNOP	118	81.1-147		%REC	1	10/1/2011 10:00:17 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.35	0.050		mg/L	1	10/5/2011 3:34:08 AM
Surr: BFB	101	65.4-141		%REC	1	10/5/2011 3:34:08 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	99	13		µg/L	5	10/6/2011 3:28:53 PM
Benzene	64	1.0		µg/L	1	10/5/2011 3:34:08 AM
Toluene	ND	1.0		µg/L	1	10/5/2011 3:34:08 AM
Ethylbenzene	11	1.0		µg/L	1	10/5/2011 3:34:08 AM
Xylenes, Total	ND	2.0		µg/L	1	10/5/2011 3:34:08 AM
Surr: 4-Bromofluorobenzene	91.0	76.5-115		%REC	1	10/5/2011 3:34:08 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.5	0.50		mg/L	5	9/30/2011 3:12:07 PM
Chloride	290	10		mg/L	20	9/30/2011 3:29:32 PM
Bromide	1.3	0.50		mg/L	5	9/30/2011 3:12:07 PM
Nitrate (As N)+Nitrite (As N)	48	1.0		mg/L	5	10/11/2011 12:12:24 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	9/30/2011 3:12:07 PM
Sulfate	48	2.5		mg/L	5	9/30/2011 3:12:07 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.20	0.0020		mg/L	1	10/4/2011 11:09:51 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:09:51 AM
Calcium	75	1.0		mg/L	1	10/4/2011 11:09:51 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 11:09:51 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:09:51 AM
Iron	0.083	0.020		mg/L	1	10/4/2011 11:09:51 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:09:51 AM
Magnesium	13	1.0		mg/L	1	10/4/2011 11:09:51 AM
Manganese	0.89	0.0020		mg/L	1	10/4/2011 11:09:51 AM
Potassium	1.2	1.0		mg/L	1	10/4/2011 11:09:51 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:09:51 AM
Sodium	380	5.0		mg/L	5	10/4/2011 11:13:06 AM
Zinc	0.018	0.010		mg/L	1	10/4/2011 11:09:51 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**

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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 12:20:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: RAGS
Barium	0.30	0.0020		mg/L	1	10/7/2011 9:04:38 AM
Cadmium	ND	0.0020		mg/L	1	10/7/2011 9:04:38 AM
Calcium	80	1.0		mg/L	1	10/7/2011 9:04:38 AM
Chromium	ND	0.0060		mg/L	1	10/7/2011 9:04:38 AM
Copper	ND	0.0080		mg/L	1	10/7/2011 9:04:38 AM
Iron	2.2	0.10		mg/L	5	10/7/2011 9:07:14 AM
Lead	ND	0.0050		mg/L	1	10/7/2011 9:04:38 AM
Magnesium	14	1.0		mg/L	1	10/7/2011 9:04:38 AM
Manganese	1.1	0.010		mg/L	5	10/7/2011 9:07:14 AM
Potassium	1.8	1.0		mg/L	1	10/7/2011 9:04:38 AM
Silver	ND	0.0050		mg/L	1	10/7/2011 9:04:38 AM
Sodium	350	5.0		mg/L	5	10/7/2011 9:07:14 AM
Zinc	0.024	0.010		mg/L	1	10/7/2011 9:04:38 AM
EPA 200.8: DISSOLVED METALS						Analyst: SNV
Arsenic	0.0060	0.0010		mg/L	1	10/12/2011 1:44:52 PM
Selenium	0.0057	0.0010		mg/L	1	10/12/2011 1:44:52 PM
Uranium	0.0067	0.0010		mg/L	1	10/12/2011 1:44:52 PM
EPA 200.8: METALS						Analyst: SNV
Arsenic	0.0063	0.0025		mg/L	2.5	10/10/2011 5:06:22 PM
Selenium	0.0030	0.0025		mg/L	2.5	10/10/2011 5:06:22 PM
Uranium	0.0058	0.0025		mg/L	2.5	10/10/2011 5:06:22 PM
EPA METHOD 245.1: MERCURY						Analyst: BRM
Mercury	ND	0.00020		mg/L	1	10/6/2011 1:38:08 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Acenaphthylene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Aniline	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Anthracene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Azobenzene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Benz(a)anthracene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Benzoic acid	ND	20		µg/L	1	10/5/2011 9:57:08 PM
Benzyl alcohol	ND	10		µg/L	1	10/5/2011 9:57:08 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 12:20:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/5/2011 9:57:08 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Carbazole	ND	10		µg/L	1	10/5/2011 9:57:08 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
4-Chloroaniline	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2-Chlorophenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Chrysene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Dibenzofuran	ND	10		µg/L	1	10/5/2011 9:57:08 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Diethyl phthalate	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Dimethyl phthalate	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/5/2011 9:57:08 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/5/2011 9:57:08 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/5/2011 9:57:08 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Fluoranthene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Fluorene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Hexachlorobenzene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Hexachloroethane	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Isophorone	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
1-Methylnaphthalene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2-Methylphenol	ND	10		µg/L	1	10/5/2011 9:57:08 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 12:20:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3+4-Methylphenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/5/2011 9:57:08 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/5/2011 9:57:08 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Naphthalene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2-Nitroaniline	ND	10		µg/L	1	10/5/2011 9:57:08 PM
3-Nitroaniline	ND	10		µg/L	1	10/5/2011 9:57:08 PM
4-Nitroaniline	ND	20		µg/L	1	10/5/2011 9:57:08 PM
Nitrobenzene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2-Nitrophenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
4-Nitrophenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Pentachlorophenol	ND	20		µg/L	1	10/5/2011 9:57:08 PM
Phenanthrene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Phenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Pyrene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Pyridine	ND	10		µg/L	1	10/5/2011 9:57:08 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/5/2011 9:57:08 PM
Surr: 2,4,6-Tribromophenol	54.2	14.4-140		%REC	1	10/5/2011 9:57:08 PM
Surr: 2-Fluorobiphenyl	46.1	31.2-116		%REC	1	10/5/2011 9:57:08 PM
Surr: 2-Fluorophenol	28.6	11.8-102		%REC	1	10/5/2011 9:57:08 PM
Surr: 4-Terphenyl-d14	49.3	19.1-132		%REC	1	10/5/2011 9:57:08 PM
Surr: Nitrobenzene-d5	38.5	21.3-126		%REC	1	10/5/2011 9:57:08 PM
Surr: Phenol-d5	22.8	13.7-82.2		%REC	1	10/5/2011 9:57:08 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 3:16:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/1/2011 10:34:11 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 10:34:11 PM
Surr: DNOP	115	81.1-147		%REC	1	10/1/2011 10:34:11 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/5/2011 4:04:11 AM
Surr: BFB	89.0	65.4-141		%REC	1	10/5/2011 4:04:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/6/2011 2:06:15 AM
Benzene	ND	1.0		µg/L	1	10/5/2011 4:04:11 AM
Toluene	ND	1.0		µg/L	1	10/5/2011 4:04:11 AM
Ethylbenzene	ND	1.0		µg/L	1	10/5/2011 4:04:11 AM
Xylenes, Total	ND	2.0		µg/L	1	10/5/2011 4:04:11 AM
Surr: 4-Bromofluorobenzene	83.5	76.5-115		%REC	1	10/5/2011 4:04:11 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	ND	0.50		mg/L	5	9/30/2011 3:46:56 PM
Chloride	1000	50		mg/L	100	10/7/2011 10:32:13 PM
Bromide	5.1	0.50		mg/L	5	9/30/2011 3:46:56 PM
Nitrate (As N)+Nitrite (As N)	49	4.0		mg/L	20	10/11/2011 7:56:18 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	9/30/2011 3:46:56 PM
Sulfate	400	10		mg/L	20	9/30/2011 4:04:21 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.058	0.0020		mg/L	1	10/4/2011 11:16:19 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:16:19 AM
Calcium	38	1.0		mg/L	1	10/4/2011 11:16:19 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 11:16:19 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:16:19 AM
Iron	0.14	0.020		mg/L	1	10/4/2011 11:16:19 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:16:19 AM
Magnesium	6.2	1.0		mg/L	1	10/4/2011 11:16:19 AM
Manganese	0.0035	0.0020		mg/L	1	10/4/2011 11:16:19 AM
Potassium	4.3	1.0		mg/L	1	10/4/2011 11:16:19 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:16:19 AM
Sodium	1000	20		mg/L	20	10/4/2011 12:24:41 PM
Zinc	0.018	0.010		mg/L	1	10/4/2011 11:16:19 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 3:16:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: RAGS
Barium	0.27	0.0020		mg/L	1	10/7/2011 9:10:20 AM
Cadmium	ND	0.0020		mg/L	1	10/7/2011 9:10:20 AM
Calcium	57	1.0		mg/L	1	10/7/2011 9:10:20 AM
Chromium	0.044	0.0060		mg/L	1	10/7/2011 9:10:20 AM
Copper	0.012	0.0060		mg/L	1	10/7/2011 9:10:20 AM
Iron	12	0.40		mg/L	20	10/10/2011 5:22:10 PM
Lead	0.014	0.0050		mg/L	1	10/7/2011 9:10:20 AM
Magnesium	8.6	1.0		mg/L	1	10/7/2011 9:10:20 AM
Manganese	0.21	0.0020		mg/L	1	10/7/2011 9:10:20 AM
Potassium	6.4	1.0		mg/L	1	10/7/2011 9:10:20 AM
Silver	ND	0.0050		mg/L	1	10/7/2011 9:10:20 AM
Sodium	1000	20		mg/L	20	10/10/2011 5:22:10 PM
Zinc	0.51	0.010		mg/L	1	10/7/2011 9:10:20 AM
EPA 200.8: DISSOLVED METALS						Analyst: SNV
Arsenic	0.0064	0.0020		mg/L	2	10/12/2011 1:48:57 PM
Selenium	0.025	0.0020		mg/L	2	10/12/2011 1:48:57 PM
Uranium	0.038	0.0020		mg/L	2	10/12/2011 1:48:57 PM
EPA 200.8: METALS						Analyst: SNV
Arsenic	0.0072	0.0025		mg/L	2.5	10/10/2011 5:10:28 PM
Selenium	0.020	0.0025		mg/L	2.5	10/10/2011 5:10:28 PM
Uranium	0.041	0.0025		mg/L	2.5	10/10/2011 5:10:28 PM
EPA METHOD 245.1: MERCURY						Analyst: BRM
Mercury	ND	0.00020		mg/L	1	10/6/2011 1:39:55 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Acenaphthylene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Aniline	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Anthracene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Azobenzene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Benz(a)anthracene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Benzoic acid	ND	20		µg/L	1	10/5/2011 10:26:13 PM
Benzyl alcohol	ND	10		µg/L	1	10/5/2011 10:26:13 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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 3:16:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/5/2011 10:26:13 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Carbazole	ND	10		µg/L	1	10/5/2011 10:26:13 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
4-Chloroaniline	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2-Chlorophenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Chrysene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Dibenzofuran	ND	10		µg/L	1	10/5/2011 10:26:13 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Diethyl phthalate	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Dimethyl phthalate	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/5/2011 10:26:13 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/5/2011 10:26:13 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/5/2011 10:26:13 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Fluoranthene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Fluorene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Hexachlorobenzene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Hexachloroethane	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Isophorone	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
1-Methylnaphthalene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2-Methylphenol	ND	10		µg/L	1	10/5/2011 10:26:13 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 3
Lab Order:	1109B62	**Collection Date:**	9/27/2011 3:16:00 PM
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3+4-Methylphenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/5/2011 10:26:13 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/5/2011 10:26:13 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Naphthalene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2-Nitroaniline	ND	10		µg/L	1	10/5/2011 10:26:13 PM
3-Nitroaniline	ND	10		µg/L	1	10/5/2011 10:26:13 PM
4-Nitroaniline	ND	20		µg/L	1	10/5/2011 10:26:13 PM
Nitrobenzene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2-Nitrophenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
4-Nitrophenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Pentachlorophenol	ND	20		µg/L	1	10/5/2011 10:26:13 PM
Phenanthrene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Phenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Pyrene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Pyridine	ND	10		µg/L	1	10/5/2011 10:26:13 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/5/2011 10:26:13 PM
Surr: 2,4,6-Tribromophenol	54.5	14.4-140		%REC	1	10/5/2011 10:26:13 PM
Surr: 2-Fluorobiphenyl	48.5	31.2-116		%REC	1	10/5/2011 10:26:13 PM
Surr: 2-Fluorophenol	31.9	11.8-102		%REC	1	10/5/2011 10:26:13 PM
Surr: 4-Terphenyl-d14	52.7	19.1-132		%REC	1	10/5/2011 10:26:13 PM
Surr: Nitrobenzene-d5	44.9	21.3-126		%REC	1	10/5/2011 10:26:13 PM
Surr: Phenol-d5	26.1	13.7-82.2		%REC	1	10/5/2011 10:26:13 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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1109B62	**Collection Date:**	
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/6/2011 2:35:02 AM
Surr: BFB	92.9	65.4-141		%REC	1	10/6/2011 2:35:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/6/2011 2:35:02 AM
Benzene	ND	1.0		µg/L	1	10/6/2011 2:35:02 AM
Toluene	ND	1.0		µg/L	1	10/6/2011 2:35:02 AM
Ethylbenzene	ND	1.0		µg/L	1	10/6/2011 2:35:02 AM
Xylenes, Total	ND	2.0		µg/L	1	10/6/2011 2:35:02 AM
Surr: 4-Bromofluorobenzene	96.1	76.5-115		%REC	1	10/6/2011 2:35:02 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
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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1109B62	**Collection Date:**	
Project:	2011 Annual Sampling	**Date Received:**	9/29/2011
Lab ID:	1109B62-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/6/2011 3:03:45 AM
Surr: BFB	93.2	65.4-141		%REC	1	10/6/2011 3:03:45 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/6/2011 3:03:45 AM
Benzene	ND	1.0		µg/L	1	10/6/2011 3:03:45 AM
Toluene	ND	1.0		µg/L	1	10/6/2011 3:03:45 AM
Ethylbenzene	ND	1.0		µg/L	1	10/6/2011 3:03:45 AM
Xylenes, Total	ND	2.0		µg/L	1	10/6/2011 3:03:45 AM
Surr: 4-Bromofluorobenzene	96.0	76.5-115		%REC	1	10/6/2011 3:03:45 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-28776		*MBLK*				Batch ID: **28776**		Analysis Date:	10/7/2011 6:54:08 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-28776		*LCS*				Batch ID: **28776**		Analysis Date:	10/7/2011 6:57:32 AM		
Arsenic	0.5387	mg/L	0.020	0.5	0.0043	107	85	115			
Barium	0.5074	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5135	mg/L	0.0020	0.5	0	103	85	115			
Calcium	49.75	mg/L	1.0	50	0	99.5	85	115			
Chromium	0.5038	mg/L	0.0060	0.5	0	101	85	115			
Copper	0.5126	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5033	mg/L	0.020	0.5	0	101	85	115			
Lead	0.5107	mg/L	0.0050	0.5	0	102	85	115			
Magnesium	50.75	mg/L	1.0	50	0	102	85	115			
Manganese	0.4902	mg/L	0.0020	0.5	0	98.0	85	115			
Potassium	48.61	mg/L	1.0	50	0	97.2	85	115			
Selenium	0.5108	mg/L	0.050	0.5	0	102	85	115			
Silver	0.1023	mg/L	0.0050	0.1	0	102	85	115			
Sodium	49.63	mg/L	1.0	50	0	99.3	85	115			
Zinc	0.4973	mg/L	0.010	0.5	0	99.5	85	115			

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

Cl Western Refining Southwest, Gallup
Project: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R48167**		Analysis Date: 10/4/2011 9:56:37 AM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: **R48167**		Analysis Date: 10/4/2011 10:00:06 AM			
Barium	0.4963	mg/L	0.0020	0.5	0	99.3	85	115			
Cadmium	0.5030	mg/L	0.0020	0.5	0	101	85	115			
Calcium	50.51	mg/L	1.0	50	0	101	85	115			
Ch[illegible]um	0.4944	mg/L	0.0060	0.5	0	98.9	85	115			
C	0.5062	mg/L	0.0060	0.5	0.0007	101	85	115			
Iron	0.4952	mg/L	0.020	0.5	0	99.0	85	115			
Lead	0.4959	mg/L	0.0050	0.5	0	99.2	85	115			
Magnesium	50.90	mg/L	1.0	50	0	102	85	115			
Manganese	0.4815	mg/L	0.0020	0.5	0	96.3	85	115			
Potassium	49.65	mg/L	1.0	50	0	99.3	85	115			
Silver	0.1000	mg/L	0.0050	0.1	0	100	85	115			
Sodium	50.02	mg/L	1.0	50	0	100	85	115			
Zinc	0.4923	mg/L	0.010	0.5	0	98.5	85	115			

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: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:33:35 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:37:41 AM		
Arsenic	0.02455	mg/L	0.0010	0.025	0	98.2	85	115			
Selenium	0.02533	mg/L	0.0010	0.025	0	101	85	115			
Uranium	0.02486	mg/L	0.0010	0.025	0	99.4	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-28776		*MBLK*				Batch ID:	**28776**	Analysis Date:	10/10/2011 3:52:12 PM		
Arsenic	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-28766		*MBLK*				Batch ID:	**28766**	Analysis Date:	10/6/2011 1:31:03 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-28766		*LCS*				Batch ID:	**28766**	Analysis Date:	10/6/2011 1:32:47 PM		
Mercury	0.004626	mg/L	0.00020	0.005	3E-05	91.9	80	120			

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

C Western Refining Southwest, Gallup
Project: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 300.0: Anions**											
Sample ID: MB		*MBLK*				Batch ID:	**R48122**	Analysis Date:	9/30/2011 10:33:34 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48122**	Analysis Date:	10/1/2011 1:56:16 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:21:14 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Ni 'As N)+Nitrite (As N)	ND	mg/L	0.20								
P rus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48269**	Analysis Date:	10/7/2011 5:03:29 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48312**	Analysis Date:	10/10/2011 11:43:50 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:13:54 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48122**	Analysis Date:	9/30/2011 10:50:58 AM		
F'	0.5153	mg/L	0.10	0.5	0	103	90	110			

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: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R48122**	Analysis Date:	9/30/2011 10:50:58 AM		
Chloride	4.874	mg/L	0.50	5	0	97.5	90	110			
Bromide	2.485	mg/L	0.10	2.5	0	99.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.477	mg/L	0.20	3.5	0	99.3	90	110			
Phosphorus, Orthophosphate (As P)	4.873	mg/L	0.50	5	0	97.5	90	110			
Sulfate	9.835	mg/L	0.50	10	0	98.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48122**	Analysis Date:	10/1/2011 2:13:40 AM		
Fluoride	0.5084	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.800	mg/L	0.50	5	0	96.0	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.447	mg/L	0.20	3.5	0	98.5	90	110			
Phosphorus, Orthophosphate (As P)	4.796	mg/L	0.50	5	0	95.9	90	110			
Sulfate	9.653	mg/L	0.50	10	0	96.5	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:38:39 AM		
Fluoride	0.5194	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.999	mg/L	0.50	5	0	100	90	110			
Bromide	2.532	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.536	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.909	mg/L	0.50	5	0	98.2	90	110			
Sulfate	9.954	mg/L	0.50	10	0	99.5	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/7/2011 5:20:54 AM		
Fluoride	0.4842	mg/L	0.10	0.5	0	96.8	90	110			
Chloride	5.026	mg/L	0.50	5	0	101	90	110			
Bromide	2.534	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.565	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.173	mg/L	0.50	5	0	103	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48312**	Analysis Date:	10/10/2011 12:01:14 PM		
Fluoride	0.4946	mg/L	0.10	0.5	0	98.9	90	110			
Chloride	4.982	mg/L	0.50	5	0	99.6	90	110			
Bromide	2.522	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.578	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	4.984	mg/L	0.50	5	0	99.7	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:31:19 AM		
Fluoride	0.4914	mg/L	0.10	0.5	0	98.3	90	110			
Chloride	4.723	mg/L	0.50	5	0	94.5	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.370	mg/L	0.20	3.5	0	96.3	90	110			
Phosphorus, Orthophosphate (As P)	4.738	mg/L	0.50	5	0	94.8	90	110			
Sulfate	9.426	mg/L	0.50	10	0	94.3	90	110			

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: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28670		*MBLK*				Batch ID:	**28670**	Analysis Date:		10/1/2011 3:40:05 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28670		*LCS*				Batch ID:	**28670**	Analysis Date:		10/1/2011 4:14:59 PM	
Diesel Range Organics (DRO)	6.186	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-28670		*LCSD*				Batch ID:	**28670**	Analysis Date:		10/1/2011 4:49:23 PM	
Diesel Range Organics (DRO)	6.291	mg/L	1.0	5	0	126	74	157	1.69	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48182**	Analysis Date:		10/4/2011 10:07:11 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48221**	Analysis Date:		10/5/2011 10:43:13 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48257**	Analysis Date:		10/6/2011 10:11:23 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48182**	Analysis Date:		10/4/2011 12:07:37 PM	
Gasoline Range Organics (GRO)	0.5374	mg/L	0.050	0.5	0	107	92.1	117			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48221**	Analysis Date:		10/5/2011 10:15:42 PM	
Gasoline Range Organics (GRO)	0.5350	mg/L	0.050	0.5	0	107	92.1	117			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48257**	Analysis Date:		10/6/2011 11:38:10 AM	
Gasoline Range Organics (GRO)	0.5630	mg/L	0.050	0.5	0	113	92.1	117			

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: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48182**	Analysis Date:	10/4/2011 10:07:11 AM		
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48221**	Analysis Date:	10/5/2011 10:43:13 AM		
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48257**	Analysis Date:	10/6/2011 10:11:23 AM		
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R48182**	Analysis Date:	10/4/2011 12:37:36 PM		
Methyl tert-butyl ether (MTBE)	18.21	µg/L	2.5	20	0	91.0	80	120			
Benzene	20.98	µg/L	1.0	20	0	105	80	120			
Toluene	21.76	µg/L	1.0	20	0	109	80	120			
Ethylbenzene	21.40	µg/L	1.0	20	0	107	80	120			
Xylenes, Total	64.63	µg/L	2.0	60	0	108	80	120			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R48221**	Analysis Date:	10/5/2011 10:44:25 PM		
Methyl tert-butyl ether (MTBE)	17.20	µg/L	2.5	20	0	86.0	80	120			
Benzene	18.52	µg/L	1.0	20	0.2958	91.1	80	120			
Toluene	18.06	µg/L	1.0	20	0	90.3	80	120			
Ethylbenzene	17.87	µg/L	1.0	20	0	89.3	80	120			
Xylenes, Total	54.06	µg/L	2.0	60	0	90.1	80	120			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R48257**	Analysis Date:	10/6/2011 11:39:18 PM		
Methyl tert-butyl ether (MTBE)	17.31	µg/L	2.5	20	0	86.5	80	120			
Benzene	19.45	µg/L	1.0	20	0.2898	95.8	80	120			
Toluene	18.92	µg/L	1.0	20	0	94.6	80	120			
Ethylbenzene	19.17	µg/L	1.0	20	0	95.9	80	120			
Xylenes, Total	57.18	µg/L	2.0	60	0	95.3	80	120			

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

Cli Western Refining Southwest, Gallup
Project: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28689		*MBLK*				**Batch ID: 28689**		**Analysis Date: 10/5/2011 12:41:29 PM**			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
C[illegible]	ND	µg/L	10								
4-C[illegible]-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
H[illegible]chlorobenzene	ND	µg/L	10								

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: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28689		*MBLK*				Batch ID:	**28689**	Analysis Date:	10/5/2011 12:41:29 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-28689		*LCS*				Batch ID:	**28689**	Analysis Date:	10/5/2011 1:10:39 PM		
Acenaphthene	70.50	µg/L	10	100	0	70.5	31.7	107			
4-Chloro-3-methylphenol	142.5	µg/L	10	200	0	71.3	24.4	123			
2-Chlorophenol	128.3	µg/L	10	200	0	64.2	24.7	104			
1,4-Dichlorobenzene	56.54	µg/L	10	100	0	56.5	20.3	95			
2,4-Dinitrotoluene	70.12	µg/L	10	100	0	70.1	22.4	106			
N-Nitrosodi-n-propylamine	63.38	µg/L	10	100	0	63.4	25.3	107			
4-Nitrophenol	77.10	µg/L	10	200	0	38.6	11.6	110			
Pentachlorophenol	107.3	µg/L	20	200	0	53.7	19.5	113			
Phenol	74.46	µg/L	10	200	0	37.2	16.1	69.3			
Pyrene	67.58	µg/L	10	100	0	67.6	38.3	99.3			
1,2,4-Trichlorobenzene	56.06	µg/L	10	100	0	56.1	25	97.3			
Sample ID: lcsd-28689		*LCSD*				Batch ID:	**28689**	Analysis Date:	10/5/2011 1:39:47 PM		
Acenaphthene	66.70	µg/L	10	100	0	66.7	31.7	107	5.54	20	
4-Chloro-3-methylphenol	134.1	µg/L	10	200	0	67.0	24.4	123	6.10	20	
2-Chlorophenol	125.0	µg/L	10	200	0	62.5	24.7	104	2.65	20	
1,4-Dichlorobenzene	48.70	µg/L	10	100	0	48.7	20.3	95	14.9	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

C : Western Refining Southwest, Gallup
Project: 2011 Annual Sampling **Work Order:** 1109B62

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-28689		*LCSD*				**Batch ID:**	**28689**	**Analysis Date:**		**10/5/2011 1:39:47 PM**	
2,4-Dinitrotoluene	70.48	µg/L	10	100	0	70.5	22.4	106	0.512	20	
N-Nitrosodi-n-propylamine	55.90	µg/L	10	100	0	55.9	25.3	107	12.5	20	
4-Nitrophenol	73.30	µg/L	10	200	0	36.7	11.6	110	5.05	20	
Pentachlorophenol	97.86	µg/L	20	200	0	48.9	19.5	113	9.20	20	
Phenol	74.52	µg/L	10	200	0	37.3	16.1	69.3	0.0805	20	
Pyrene	60.76	µg/L	10	100	0	60.8	38.3	99.3	10.6	20	
1,2,4-Trichlorobenzene	47.48	µg/L	10	100	0	47.5	25	97.3	16.6	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 9/29/2011

Work Order Number 1109B62 — Received by: KMS

Checklist completed by: Signature 9/29/11 Date — Sample ID labels checked by: Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH: 12
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?	1.6°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 0.4 mL H2SO4 to 01D-04D, Added 0.4mL HNO3 to 01E-04E, Added 1mL HNO3 to 01E-05E for acceptable pH level - AJ 9/30/11

Corrective Action _____

Cha[illegible]f-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)
Accreditation ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2011 Annual Sampling
Project #: Napis Wells
Project Manager: CJohnson
Sampler: CJohnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

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. HD9[illegible]
9/27/11	1055	AQ	NAPIS-1			1
	1133		NAPIS-2			2
	1220		KA-3			3
	1516		NAPIS-3			4
	1000		Field Blank			5
			TRIP Blank			6

Analysis Request

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) + Phenols	WQCC Metals Total	WQCC Metals Dissol	Major Cations/Anions	Air Bubbles (Y or N)
X		X								X	X	X	X	
—		—								—	—	—	—	
—		—								—	—	—	—	
—		—								—	—	—	—	

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/29/11	1145			9/29/11	1145
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, October 24, 2011

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

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

RE: 2011- Quarterly/Annual

Order No.: 1109B63

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 9/29/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1109B63	**Collection Date:**	9/26/2011 1:15:00 PM
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	3.9	1.0		mg/L	1	10/1/2011 11:08:19 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 11:08:19 PM
Surr: DNOP	124	81.1-147		%REC	1	10/1/2011 11:08:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	0.65	0.050		mg/L	1	10/6/2011 3:57:46 PM
Surr: BFB	978	65.4-141	S	%REC	1	10/6/2011 3:57:46 PM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Fluoride	3.5	0.50		mg/L	5	9/30/2011 2:29:13 PM
Chloride	1300	50		mg/L	100	10/7/2011 9:22:33 PM
Bromide	1.5	0.50		mg/L	5	9/30/2011 2:29:13 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	10/10/2011 10:45:21 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	9/30/2011 2:29:13 PM
Sulfate	47	2.5		mg/L	5	9/30/2011 2:29:13 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: RAGS
Barium	1.3	0.010		mg/L	5	10/4/2011 10:06:35 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 10:03:08 AM
Calcium	300	5.0		mg/L	5	10/4/2011 10:06:35 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 10:03:08 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 10:03:08 AM
Iron	14	0.40		mg/L	20	10/4/2011 12:22:08 PM
Lead	ND	0.0050		mg/L	1	10/4/2011 10:03:08 AM
Magnesium	71	5.0		mg/L	5	10/4/2011 10:06:35 AM
Manganese	2.7	0.010		mg/L	5	10/4/2011 10:06:35 AM
Potassium	ND	5.0		mg/L	5	10/4/2011 10:06:35 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 10:03:08 AM
Sodium	1200	20		mg/L	20	10/4/2011 12:22:08 PM
Zinc	0.028	0.010		mg/L	1	10/4/2011 10:03:08 AM
EPA METHOD 200.7: METALS						Analyst: RAGS
Barium	1.5	0.010		mg/L	5	10/7/2011 8:30:23 AM
Cadmium	ND	0.0020		mg/L	1	10/7/2011 8:27:45 AM
Calcium	290	5.0		mg/L	5	10/7/2011 8:30:23 AM
Chromium	ND	0.0060		mg/L	1	10/7/2011 8:27:45 AM
Copper	ND	0.0060		mg/L	1	10/7/2011 8:27:45 AM
Iron	17	1.0		mg/L	50	10/10/2011 5:05:31 PM
Lead	ND	0.0050		mg/L	1	10/7/2011 8:27:45 AM
Magnesium	67	1.0		mg/L	1	10/7/2011 8:27:45 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1109B63	**Collection Date:**	9/26/2011 1:15:00 PM
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Manganese	2.8	0.010		mg/L	5	10/7/2011 8:30:23 AM
Potassium	3.2	1.0		mg/L	1	10/7/2011 8:27:45 AM
Silver	ND	0.0050		mg/L	1	10/7/2011 8:27:45 AM
Sodium	1100	50		mg/L	50	10/10/2011 5:05:31 PM
Zinc	0.025	0.010		mg/L	1	10/7/2011 8:27:45 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.12	0.0050		mg/L	5	10/12/2011 2:01:18 PM
Selenium	0.012	0.0010		mg/L	1	10/12/2011 12:55:31 PM
Uranium	0.0081	0.0010		mg/L	1	10/12/2011 12:55:31 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.12	0.0025		mg/L	2.5	10/10/2011 5:14:33 PM
Selenium	0.0082	0.0025		mg/L	2.5	10/10/2011 5:14:33 PM
Uranium	0.0070	0.0025		mg/L	2.5	10/10/2011 5:14:33 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/6/2011 1:41:41 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	9.6	1.0		µg/L	1	10/4/2011 5:14:15 AM
Toluene	5.2	1.0		µg/L	1	10/4/2011 5:14:15 AM
Ethylbenzene	5.9	1.0		µg/L	1	10/4/2011 5:14:15 AM
Methyl tert-butyl ether (MTBE)	51	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2,4-Trimethylbenzene	19	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,3,5-Trimethylbenzene	2.9	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Naphthalene	4.4	2.0		µg/L	1	10/4/2011 5:14:15 AM
1-Methylnaphthalene	28	4.0		µg/L	1	10/4/2011 5:14:15 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/4/2011 5:14:15 AM
Acetone	ND	10		µg/L	1	10/4/2011 5:14:15 AM
Bromobenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Bromoform	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Bromomethane	ND	3.0		µg/L	1	10/4/2011 5:14:15 AM
2-Butanone	ND	10		µg/L	1	10/4/2011 5:14:15 AM
Carbon disulfide	ND	10		µg/L	1	10/4/2011 5:14:15 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Chlorobenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 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
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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1109B63	**Collection Date:**	9/26/2011 1:15:00 PM
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Chloroethane	ND	2.0		µg/L	1	10/4/2011 5:14:15 AM
Chloroform	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Chloromethane	ND	3.0		µg/L	1	10/4/2011 5:14:15 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/4/2011 5:14:15 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Dibromomethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/4/2011 5:14:15 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
2-Hexanone	ND	10		µg/L	1	10/4/2011 5:14:15 AM
Isopropylbenzene	1.9	1.0		µg/L	1	10/4/2011 5:14:15 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/4/2011 5:14:15 AM
Methylene Chloride	ND	3.0		µg/L	1	10/4/2011 5:14:15 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
n-Propylbenzene	2.7	1.0		µg/L	1	10/4/2011 5:14:15 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Styrene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/4/2011 5:14:15 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Tall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1109B63	**Collection Date:**	9/26/2011 1:15:00 PM
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/4/2011 5:14:15 AM
Vinyl chloride	ND	1.0		µg/L	1	10/4/2011 5:14:15 AM
Xylenes, Total	30	1.5		µg/L	1	10/4/2011 5:14:15 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	10/4/2011 5:14:15 AM
Surr: 4-Bromofluorobenzene	91.8	73-131		%REC	1	10/4/2011 5:14:15 AM
Surr: Dibromofluoromethane	101	70-130		%REC	1	10/4/2011 5:14:15 AM
Surr: Toluene-d8	100	70-130		%REC	1	10/4/2011 5:14:15 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
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: *24-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1109B63	**Collection Date:**	9/26/2011 1:42:00 PM
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/1/2011 11:42:44 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 11:42:44 PM
Surr: DNOP	116	81.1-147		%REC	1	10/1/2011 11:42:44 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/6/2011 4:26:40 PM
Surr: BFB	144	65.4-141	S	%REC	1	10/6/2011 4:26:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	2.6	2.5		µg/L	1	10/6/2011 4:26:40 PM
Benzene	ND	1.0		µg/L	1	10/6/2011 4:26:40 PM
Toluene	ND	1.0		µg/L	1	10/6/2011 4:26:40 PM
Ethylbenzene	ND	1.0		µg/L	1	10/6/2011 4:26:40 PM
Xylenes, Total	ND	2.0		µg/L	1	10/6/2011 4:26:40 PM
Surr: 4-Bromofluorobenzene	125	76.5-115	S	%REC	1	10/6/2011 4:26:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.6	0.50		mg/L	5	9/30/2011 5:40:46 PM
Chloride	2200	100		mg/L	200	10/7/2011 9:57:23 PM
Bromide	4.9	0.50		mg/L	5	9/30/2011 5:40:46 PM
Nitrate (As N)+Nitrite (As N)	52	10		mg/L	50	10/11/2011 7:21:28 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	9/30/2011 5:40:46 PM
Sulfate	1200	25		mg/L	50	10/7/2011 9:39:58 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	620	10		mg/L	10	10/10/2011 5:08:34 PM
Magnesium	110	5.0		mg/L	5	10/7/2011 8:35:27 AM
Potassium	4.2	1.0		mg/L	1	10/7/2011 8:32:43 AM
Sodium	1600	100		mg/L	100	10/10/2011 5:13:16 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1109B63	**Collection Date:**	9/26/2011 2:02:00 PM
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	2.7	1.0		mg/L	1	10/2/2011 12:16:36 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/2/2011 12:16:36 AM
Surr: DNOP	121	81.1-147		%REC	1	10/2/2011 12:16:36 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/6/2011 4:55:30 PM
Surr: BFB	123	65.4-141		%REC	1	10/6/2011 4:55:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/6/2011 4:55:30 PM
Benzene	ND	1.0		µg/L	1	10/6/2011 4:55:30 PM
Toluene	ND	1.0		µg/L	1	10/6/2011 4:55:30 PM
Ethylbenzene	ND	1.0		µg/L	1	10/6/2011 4:55:30 PM
Xylenes, Total	ND	2.0		µg/L	1	10/6/2011 4:55:30 PM
Surr: 4-Bromofluorobenzene	112	76.5-115		%REC	1	10/6/2011 4:55:30 PM
PA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	5.3	0.50		mg/L	5	9/30/2011 5:05:56 PM
Chloride	1000	50		mg/L	100	10/7/2011 10:14:48 PM
Bromide	2.5	0.50		mg/L	5	9/30/2011 5:05:56 PM
Nitrate (As N)+Nitrite (As N)	130	4.0		mg/L	20	10/10/2011 11:20:10 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	9/30/2011 5:05:56 PM
Sulfate	2500	50		mg/L	100	10/7/2011 10:14:48 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	500	10		mg/L	10	10/10/2011 5:16:19 PM
Magnesium	91	1.0		mg/L	1	10/7/2011 8:38:35 AM
Potassium	5.1	1.0		mg/L	1	10/7/2011 8:38:35 AM
Sodium	1300	100		mg/L	100	10/10/2011 5:19:11 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: *24-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1109B63	**Collection Date:**	9/26/2011 11:00:00 AM
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/6/2011 5:24:21 PM
Surr: BFB	90.8	65.4-141		%REC	1	10/6/2011 5:24:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/6/2011 5:24:21 PM
Benzene	ND	1.0		µg/L	1	10/6/2011 5:24:21 PM
Toluene	ND	1.0		µg/L	1	10/6/2011 5:24:21 PM
Ethylbenzene	ND	1.0		µg/L	1	10/6/2011 5:24:21 PM
Xylenes, Total	ND	2.0		µg/L	1	10/6/2011 5:24:21 PM
Surr: 4-Bromofluorobenzene	93.1	76.5-115		%REC	1	10/6/2011 5:24:21 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1109B63	**Collection Date:**	
Project:	2011- Quarterly/Annual	**Date Received:**	9/29/2011
Lab ID:	1109B63-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/6/2011 5:53:07 PM
Surr: BFB	92.0	65.4-141		%REC	1	10/6/2011 5:53:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/6/2011 5:53:07 PM
Benzene	ND	1.0		µg/L	1	10/6/2011 5:53:07 PM
Toluene	ND	1.0		µg/L	1	10/6/2011 5:53:07 PM
Ethylbenzene	ND	1.0		µg/L	1	10/6/2011 5:53:07 PM
Xylenes, Total	ND	2.0		µg/L	1	10/6/2011 5:53:07 PM
Surr: 4-Bromofluorobenzene	94.9	76.5-115		%REC	1	10/6/2011 5:53:07 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
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: 2011- Quarterly/Annual **Work Order:** 1109B63

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:33:35 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:37:41 AM		
Arsenic	0.02455	mg/L	0.0010	0.025	0	98.2	85	115			
Selenium	0.02533	mg/L	0.0010	0.025	0	101	85	115			
Uranium	0.02486	mg/L	0.0010	0.025	0	99.4	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-28776		*MBLK*				Batch ID:	**28776**	Analysis Date:	10/10/2011 3:52:12 PM		
Arsenic	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-28766		*MBLK*				Batch ID:	**28766**	Analysis Date:	10/6/2011 1:31:03 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-28766		*LCS*				Batch ID:	**28766**	Analysis Date:	10/6/2011 1:32:47 PM		
Mercury	0.004626	mg/L	0.00020	0.005	3E-05	91.9	80	120			

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

C Western Refining Southwest, Gallup
Project: 2011- Quarterly/Annual **Work Order:** 1109B63

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48120**	Analysis Date:	9/30/2011 9:15:45 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:21:14 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48269**	Analysis Date:	10/7/2011 5:03:29 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nit[illegible](As N)+Nitrite (As N)	ND	mg/L	0.20								
F[illegible]rus, Orthophosphate (As P)	ND	mg/L	0.50								
Su[illegible]	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48312**	Analysis Date:	10/10/2011 11:43:50 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:13:54 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48120**	Analysis Date:	9/30/2011 9:33:10 AM		
Fluoride	0.5448	mg/L	0.10	0.5	0	109	90	110			
Chloride	4.907	mg/L	0.50	5	0	98.1	90	110			
Bromide	2.466	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.606	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	4.936	mg/L	0.50	5	0	98.7	90	110			
Sulfate	9.997	mg/L	0.50	10	0	100	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:38:39 AM		
F[illegible]	0.5194	mg/L	0.10	0.5	0	104	90	110			

[illegible]fiers:

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: 2011- Quarterly/Annual **Work Order:** 1109B63

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:38:39 AM		
Chloride	4.999	mg/L	0.50	5	0	100	90	110			
Bromide	2.532	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.536	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.909	mg/L	0.50	5	0	98.2	90	110			
Sulfate	9.954	mg/L	0.50	10	0	99.5	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/7/2011 5:20:54 AM		
Fluoride	0.4842	mg/L	0.10	0.5	0	96.8	90	110			
Chloride	5.026	mg/L	0.50	5	0	101	90	110			
Bromide	2.534	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.565	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.173	mg/L	0.50	5	0	103	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48312**	Analysis Date:	10/10/2011 12:01:14 PM		
Fluoride	0.4946	mg/L	0.10	0.5	0	98.9	90	110			
Chloride	4.982	mg/L	0.50	5	0	99.6	90	110			
Bromide	2.522	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.578	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	4.984	mg/L	0.50	5	0	99.7	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:31:19 A		
Fluoride	0.4914	mg/L	0.10	0.5	0	98.3	90	110			
Chloride	4.723	mg/L	0.50	5	0	94.5	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.370	mg/L	0.20	3.5	0	96.3	90	110			
Phosphorus, Orthophosphate (As P)	4.738	mg/L	0.50	5	0	94.8	90	110			
Sulfate	9.426	mg/L	0.50	10	0	94.3	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28670		*MBLK*				Batch ID:	**28670**	Analysis Date:	10/1/2011 3:40:05 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28670		*LCS*				Batch ID:	**28670**	Analysis Date:	10/1/2011 4:14:59 PM		
Diesel Range Organics (DRO)	6.186	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-28670		*LCSD*				Batch ID:	**28670**	Analysis Date:	10/1/2011 4:49:23 PM		
Diesel Range Organics (DRO)	6.291	mg/L	1.0	5	0	126	74	157	1.69	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48257**	Analysis Date:	10/6/2011 10:11:23 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48257**	Analysis Date:	10/6/2011 11:38:10 AM		
Gasoline Range Organics (GRO)	0.5630	mg/L	0.050	0.5	0	113	92.1	117			

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

Cli Western Refining Southwest, Gallup
Project: 2011- Quarterly/Annual **Work Order:** 1109B63

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48257**	Analysis Date:	10/6/2011 10:11:23 AM		
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R48257**	Analysis Date:	10/6/2011 11:39:18 PM		
Methyl tert-butyl ether (MTBE)	17.31	µg/L	2.5	20	0	86.5	80	120			
Benzene	19.45	µg/L	1.0	20	0.2898	95.8	80	120			
Toluene	18.92	µg/L	1.0	20	0	94.6	80	120			
Ethylbenzene	19.17	µg/L	1.0	20	0	95.9	80	120			
Xylenes, Total	57.18	µg/L	2.0	60	0	95.3	80	120			

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: 2011- Quarterly/Annual **Work Order:** 1109B63

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48119**		**Analysis Date: 10/3/2011 9:27:22 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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

Cl Western Refining Southwest, Gallup
Project: 2011- Quarterly/Annual **Work Order:** 1109B63

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48119**		**Analysis Date:**	10/3/2011 9:27:22 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1 chloropropane	ND	µg/L	2.0								
Vi loride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				**Batch ID: R48119**		**Analysis Date:**	10/3/2011 10:23:45 AM		
Benzene	20.46	µg/L	1.0	20	0	102	81.1	130			
Toluene	21.96	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	22.43	µg/L	1.0	20	0	112	70	130			
1,1-Dichloroethene	19.54	µg/L	1.0	20	0	97.7	83.1	126			
Trichloroethene (TCE)	18.13	µg/L	1.0	20	0	90.7	67.4	137			

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: 9/29/2011

Work Order Number 1109B63 | Received by: KMS

Checklist completed by: Signature 9/29/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH:

(<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1mL HNO_3 to 01E, 02D & 03D. Added 0.4mL HNO_3 to 01D for acceptable pH level 9/30

Corrective Action _____

Ch: of-Custody Record

Client: Western Refining
Gallup Refinery
Mailing Address: Rt 3 Box 7
Gallup, NM 87301
Phone #: 505 722-~~0210~~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: 2011 - Quarterly/Annual
Project #: GWM Wells
Project Manager: C. Johnson
Sampler: C. Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1109803	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)	WQCC Metals - Total	WQCC Metals - Dissolved	Cations / Anions		Air Bubbles (Y or N)
9/26/11	1315	AQ	GWM-1			1			X							X		X	X	X		
"	1342	"	GWM-2			2	X		X											X		
"	1407	"	GWM-3			3	X		X											X		
9/26/11	1100	1	Field Blank			4																
		1	TRIP Blank			5																

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/29/11	1145			9/29/11	1145
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, October 26, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual/Quarterly

Order No.: 1109B56

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 9/29/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Eff.
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:04:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.9	1.0		mg/L	1	10/3/2011 7:43:38 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/3/2011 7:43:38 AM
Surr: DNOP	131	81.1-147		%REC	1	10/3/2011 7:43:38 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	150	2.5		mg/L	50	10/7/2011 1:45:30 AM
Surr: BFB	80.3	65.4-141		%REC	50	10/7/2011 1:45:30 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	13	2.0		mg/L	20	9/30/2011 1:19:34 PM
Chloride	900	50		mg/L	100	9/30/2011 1:36:59 PM
Bromide	ND	2.0		mg/L	20	9/30/2011 1:19:34 PM
Nitrate (As N)+Nitrite (As N)	110	2.0		mg/L	10	10/11/2011 3:23:54 AM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	9/30/2011 1:19:34 PM
Sulfate	1300	50		mg/L	100	9/30/2011 1:36:59 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.018	0.0020		mg/L	1	10/4/2011 11:31:35 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:31:35 AM
Calcium	34	1.0		mg/L	1	10/4/2011 11:31:35 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 11:31:35 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:31:35 AM
Iron	0.58	0.020		mg/L	1	10/4/2011 11:31:35 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:31:35 AM
Magnesium	27	1.0		mg/L	1	10/4/2011 11:31:35 AM
Manganese	0.053	0.0020		mg/L	1	10/4/2011 11:31:35 AM
Potassium	350	5.0		mg/L	5	10/4/2011 11:34:56 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:31:35 AM
Sodium	1300	50		mg/L	50	10/4/2011 12:27:41 PM
Zinc	0.019	0.010		mg/L	1	10/4/2011 11:31:35 AM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.056	0.0020		mg/L	1	10/6/2011 8:22:02 AM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 8:22:02 AM
Calcium	55	1.0		mg/L	1	10/6/2011 8:22:02 AM
Chromium	0.0081	0.0060		mg/L	1	10/6/2011 8:22:02 AM
Copper	0.030	0.0060		mg/L	1	10/6/2011 8:22:02 AM
Iron	4.1	0.10		mg/L	5	10/6/2011 8:24:51 AM
Lead	ND	0.0050		mg/L	1	10/6/2011 8:22:02 AM
Magnesium	28	1.0		mg/L	1	10/6/2011 8:22:02 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Eff.
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:04:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Manganese	0.072	0.0020		mg/L	1	10/6/2011 8:22:02 AM
Potassium	320	5.0		mg/L	5	10/6/2011 8:24:51 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 8:22:02 AM
Sodium	1100	20		mg/L	20	10/6/2011 9:50:33 AM
Zinc	0.22	0.010		mg/L	1	10/6/2011 8:22:02 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0066	0.0050		mg/L	5	10/12/2011 2:40:32 PM
Selenium	0.013	0.0050		mg/L	5	10/12/2011 2:40:32 PM
Uranium	ND	0.0050		mg/L	5	10/12/2011 2:40:32 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0091	0.0025		mg/L	2.5	10/11/2011 1:29:37 PM
Selenium	0.0081	0.0025		mg/L	2.5	10/11/2011 1:29:37 PM
Uranium	ND	0.0025		mg/L	2.5	10/11/2011 1:29:37 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	0.0035	0.00020		mg/L	1	9/30/2011 1:19:47 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Acenaphthylene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Aniline	430	50		µg/L	1	10/5/2011 5:33:54 PM
Anthracene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Azobenzene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Benz(a)anthracene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Benzo(a)pyrene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Benzoic acid	ND	100		µg/L	1	10/5/2011 5:33:54 PM
Benzyl alcohol	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	10/5/2011 5:33:54 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Butyl benzyl phthalate	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Carbazole	ND	50		µg/L	1	10/5/2011 5:33:54 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	10/5/2011 5:33:54 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Eff.
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:04:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloroaniline	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2-Chloronaphthalene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2-Chlorophenol	ND	50		µg/L	1	10/5/2011 5:33:54 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Chrysene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Di-n-butyl phthalate	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Di-n-octyl phthalate	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Dibenzofuran	ND	50		µg/L	1	10/5/2011 5:33:54 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Diethyl phthalate	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Dimethyl phthalate	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2,4-Dichlorophenol	ND	100		µg/L	1	10/5/2011 5:33:54 PM
2,4-Dimethylphenol	330	50		µg/L	1	10/5/2011 5:33:54 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	10/5/2011 5:33:54 PM
2,4-Dinitrophenol	ND	100		µg/L	1	10/5/2011 5:33:54 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Fluoranthene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Fluorene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Hexachlorobenzene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Hexachlorobutadiene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Hexachloroethane	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Isophorone	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2-Methylnaphthalene	210	50		µg/L	1	10/5/2011 5:33:54 PM
1-Methylnaphthalene	120	50		µg/L	1	10/5/2011 5:33:54 PM
2-Methylphenol	1500	500		µg/L	10	10/6/2011 3:12:09 PM
3+4-Methylphenol	3200	500		µg/L	10	10/6/2011 3:12:09 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	10/5/2011 5:33:54 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	10/5/2011 5:33:54 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Naphthalene	230	50		µg/L	1	10/5/2011 5:33:54 PM
2-Nitroaniline	ND	50		µg/L	1	10/5/2011 5:33:54 PM
3-Nitroaniline	ND	50		µg/L	1	10/5/2011 5:33:54 PM
4-Nitroaniline	ND	100		µg/L	1	10/5/2011 5:33:54 PM

Qualifiers:

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- 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Eff.
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:04:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Nitrobenzene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2-Nitrophenol	ND	50		µg/L	1	10/5/2011 5:33:54 PM
4-Nitrophenol	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Pentachlorophenol	ND	100		µg/L	1	10/5/2011 5:33:54 PM
Phenanthrene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Phenol	6300	500		µg/L	10	10/6/2011 3:12:09 PM
Pyrene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Pyridine	ND	50		µg/L	1	10/5/2011 5:33:54 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	10/5/2011 5:33:54 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	10/5/2011 5:33:54 PM
Surr: 2,4,6-Tribromophenol	55.2	14.4-140		%REC	1	10/5/2011 5:33:54 PM
Surr: 2-Fluorobiphenyl	52.8	31.2-116		%REC	1	10/5/2011 5:33:54 PM
Surr: 2-Fluorophenol	18.2	11.8-102		%REC	1	10/5/2011 5:33:54 PM
Surr: 4-Terphenyl-d14	56.1	19.1-132		%REC	1	10/5/2011 5:33:54 PM
Surr: Nitrobenzene-d5	51.8	21.3-126		%REC	1	10/5/2011 5:33:54 PM
Surr: Phenol-d5	30.1	13.7-82.2		%REC	1	10/5/2011 5:33:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	17000	500		µg/L	500	10/3/2011 5:55:48 PM
Toluene	31000	500		µg/L	500	10/3/2011 5:55:48 PM
Ethylbenzene	2100	100		µg/L	100	10/3/2011 6:24:16 PM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2,4-Trimethylbenzene	1200	100		µg/L	100	10/3/2011 6:24:16 PM
1,3,5-Trimethylbenzene	390	100		µg/L	100	10/3/2011 6:24:16 PM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Naphthalene	250	200		µg/L	100	10/3/2011 6:24:16 PM
1-Methylnaphthalene	ND	400		µg/L	100	10/3/2011 6:24:16 PM
2-Methylnaphthalene	ND	400		µg/L	100	10/3/2011 6:24:16 PM
Acetone	ND	1000		µg/L	100	10/3/2011 6:24:16 PM
Bromobenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Bromodichloromethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Bromoform	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Bromomethane	ND	300		µg/L	100	10/3/2011 6:24:16 PM
2-Butanone	ND	1000		µg/L	100	10/3/2011 6:24:16 PM
Carbon disulfide	ND	1000		µg/L	100	10/3/2011 6:24:16 PM
Carbon Tetrachloride	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Chlorobenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Chloroethane	ND	200		µg/L	100	10/3/2011 6:24:16 PM

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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Eff.
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:04:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Chloroform	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Chloromethane	ND	300		µg/L	100	10/3/2011 6:24:16 PM
2-Chlorotoluene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
4-Chlorotoluene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
cis-1,2-DCE	ND	100		µg/L	100	10/3/2011 6:24:16 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	10/3/2011 6:24:16 PM
Dibromochloromethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Dibromomethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Dichlorodifluoromethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,1-Dichloroethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,1-Dichloroethene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2-Dichloropropane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,3-Dichloropropane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
2,2-Dichloropropane	ND	200		µg/L	100	10/3/2011 6:24:16 PM
1,1-Dichloropropene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Hexachlorobutadiene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
2-Hexanone	ND	1000		µg/L	100	10/3/2011 6:24:16 PM
Isopropylbenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
4-Isopropyltoluene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	10/3/2011 6:24:16 PM
Methylene Chloride	ND	300		µg/L	100	10/3/2011 6:24:16 PM
n-Butylbenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
n-Propylbenzene	180	100		µg/L	100	10/3/2011 6:24:16 PM
sec-Butylbenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Styrene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
tert-Butylbenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	10/3/2011 6:24:16 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	10/3/2011 6:24:16 PM
trans-1,2-DCE	ND	100		µg/L	100	10/3/2011 6:24:16 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Trichloroethene (TCE)	ND	100		µg/L	100	10/3/2011 6:24:16 PM

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- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Eff.
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:04:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Trichlorofluoromethane	ND	100		µg/L	100	10/3/2011 6:24:16 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	10/3/2011 6:24:16 PM
Vinyl chloride	ND	100		µg/L	100	10/3/2011 6:24:16 PM
Xylenes, Total	13000	150		µg/L	100	10/3/2011 6:24:16 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	100	10/3/2011 6:24:16 PM
Surr: 4-Bromofluorobenzene	86.5	73-131		%REC	100	10/3/2011 6:24:16 PM
Surr: Dibromofluoromethane	103	70-130		%REC	100	10/3/2011 6:24:16 PM
Surr: Toluene-d8	107	70-130		%REC	100	10/3/2011 6:24:16 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	6200	0.010		µmhos/cm	1	10/10/2011 1:28:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	9.57	0.100	H	pH units	1	10/10/2011 1:28:00 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:35:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	23	10		mg/L	10	10/2/2011 7:35:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	10/2/2011 7:35:35 PM
Surr: DNOP	0	81.1-147	S	%REC	10	10/2/2011 7:35:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	1.1	0.25		mg/L	5	10/7/2011 2:15:33 AM
Surr: BFB	111	65.4-141		%REC	5	10/7/2011 2:15:33 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	30	1.0		mg/L	10	9/30/2011 1:54:23 PM
Chloride	3100	250		mg/L	500	10/11/2011 9:40:47 PM
Bromide	1.5	1.0		mg/L	10	9/30/2011 1:54:23 PM
Nitrate (As N)+Nitrite (As N)	63	10		mg/L	50	10/11/2011 3:41:19 AM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	9/30/2011 1:54:23 PM
Sulfate	1600	25		mg/L	50	9/30/2011 2:11:48 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.017	0.0020		mg/L	1	10/4/2011 11:39:52 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:39:52 AM
Calcium	78	1.0		mg/L	1	10/4/2011 11:39:52 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 11:39:52 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:39:52 AM
Iron	1.3	0.10		mg/L	5	10/4/2011 11:42:19 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:39:52 AM
Magnesium	120	5.0		mg/L	5	10/4/2011 11:42:19 AM
Manganese	0.049	0.0020		mg/L	1	10/4/2011 11:39:52 AM
Potassium	920	100		mg/L	100	10/4/2011 12:30:32 PM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:39:52 AM
Sodium	2100	100		mg/L	100	10/4/2011 12:30:32 PM
Zinc	0.053	0.010		mg/L	1	10/4/2011 11:39:52 AM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.099	0.0020		mg/L	1	10/6/2011 8:28:01 AM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 8:28:01 AM
Calcium	120	5.0		mg/L	5	10/6/2011 8:30:28 AM
Chromium	0.014	0.0060		mg/L	1	10/6/2011 8:28:01 AM
Copper	0.028	0.0060		mg/L	1	10/6/2011 8:28:01 AM
Iron	6.1	0.20		mg/L	10	10/6/2011 9:54:04 AM
Lead	ND	0.0050		mg/L	1	10/6/2011 8:28:01 AM
Magnesium	110	5.0		mg/L	5	10/6/2011 8:30:28 AM

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Hall Environmental Analysis Laboratory, Inc.

Date: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:35:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Manganese	0.079	0.0020		mg/L	1	10/6/2011 8:28:01 AM
Potassium	800	10		mg/L	10	10/6/2011 9:54:04 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 8:28:01 AM
Sodium	2000	50		mg/L	50	10/6/2011 9:57:05 AM
Zinc	0.25	0.010		mg/L	1	10/6/2011 8:28:01 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0086	0.0050		mg/L	5	10/12/2011 2:48:45 PM
Selenium	0.018	0.0050		mg/L	5	10/12/2011 2:48:45 PM
Uranium	ND	0.0050		mg/L	5	10/12/2011 2:48:45 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.010	0.0025		mg/L	2.5	10/11/2011 1:31:38 PM
Selenium	0.020	0.0025		mg/L	2.5	10/11/2011 1:31:38 PM
Uranium	ND	0.0025		mg/L	2.5	10/11/2011 1:31:38 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	0.0024	0.00020		mg/L	1	9/30/2011 1:25:18 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Acenaphthylene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Aniline	290	50		µg/L	1	10/5/2011 6:03:25 PM
Anthracene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Azobenzene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Benz(a)anthracene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Benzo(a)pyrene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Benzoic acid	ND	100		µg/L	1	10/5/2011 6:03:25 PM
Benzyl alcohol	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	10/5/2011 6:03:25 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Butyl benzyl phthalate	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Carbazole	ND	50		µg/L	1	10/5/2011 6:03:25 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	10/5/2011 6:03:25 PM

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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:35:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloroaniline	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2-Chloronaphthalene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2-Chlorophenol	ND	50		µg/L	1	10/5/2011 6:03:25 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Chrysene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Di-n-butyl phthalate	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Di-n-octyl phthalate	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Dibenzofuran	ND	50		µg/L	1	10/5/2011 6:03:25 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Diethyl phthalate	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Dimethyl phthalate	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2,4-Dichlorophenol	ND	100		µg/L	1	10/5/2011 6:03:25 PM
2,4-Dimethylphenol	160	50		µg/L	1	10/5/2011 6:03:25 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	10/5/2011 6:03:25 PM
2,4-Dinitrophenol	ND	100		µg/L	1	10/5/2011 6:03:25 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Fluoranthene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Fluorene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Hexachlorobenzene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Hexachlorobutadiene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Hexachloroethane	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Isophorone	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2-Methylnaphthalene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
1-Methylnaphthalene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2-Methylphenol	1100	50		µg/L	1	10/5/2011 6:03:25 PM
3+4-Methylphenol	890	250		µg/L	5	10/6/2011 3:42:11 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	10/5/2011 6:03:25 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	10/5/2011 6:03:25 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Naphthalene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2-Nitroaniline	ND	50		µg/L	1	10/5/2011 6:03:25 PM
3-Nitroaniline	ND	50		µg/L	1	10/5/2011 6:03:25 PM
4-Nitroaniline	ND	100		µg/L	1	10/5/2011 6:03:25 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:35:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Nitrobenzene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2-Nitrophenol	ND	50		µg/L	1	10/5/2011 6:03:25 PM
4-Nitrophenol	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Pentachlorophenol	ND	100		µg/L	1	10/5/2011 6:03:25 PM
Phenanthrene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Phenol	200	50		µg/L	1	10/5/2011 6:03:25 PM
Pyrene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Pyridine	ND	50		µg/L	1	10/5/2011 6:03:25 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	10/5/2011 6:03:25 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	10/5/2011 6:03:25 PM
Surr: 2,4,6-Tribromophenol	93.9	14.4-140		%REC	1	10/5/2011 6:03:25 PM
Surr: 2-Fluorobiphenyl	74.4	31.2-116		%REC	1	10/5/2011 6:03:25 PM
Surr: 2-Fluorophenol	56.1	11.8-102		%REC	1	10/5/2011 6:03:25 PM
Surr: 4-Terphenyl-d14	88.5	19.1-132		%REC	1	10/5/2011 6:03:25 PM
Surr: Nitrobenzene-d5	79.2	21.3-126		%REC	1	10/5/2011 6:03:25 PM
Surr: Phenol-d5	46.0	13.7-82.2		%REC	1	10/5/2011 6:03:25 PM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	6.1	5.0		µg/L	5	10/3/2011 7:20:50 PM
Toluene	13	5.0		µg/L	5	10/3/2011 7:20:50 PM
Ethylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Naphthalene	ND	10		µg/L	5	10/3/2011 7:20:50 PM
1-Methylnaphthalene	ND	20		µg/L	5	10/3/2011 7:20:50 PM
2-Methylnaphthalene	24	20		µg/L	5	10/3/2011 7:20:50 PM
Acetone	620	50		µg/L	5	10/3/2011 7:20:50 PM
Bromobenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Bromodichloromethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Bromoform	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Bromomethane	ND	15		µg/L	5	10/3/2011 7:20:50 PM
2-Butanone	230	50		µg/L	5	10/3/2011 7:20:50 PM
Carbon disulfide	ND	50		µg/L	5	10/3/2011 7:20:50 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Chlorobenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Chloroethane	ND	10		µg/L	5	10/3/2011 7:20:50 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: *26-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:35:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Chloroform	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Chloromethane	ND	15		µg/L	5	10/3/2011 7:20:50 PM
2-Chlorotoluene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
4-Chlorotoluene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
cis-1,2-DCE	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	10/3/2011 7:20:50 PM
Dibromochloromethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Dibromomethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
2,2-Dichloropropane	ND	10		µg/L	5	10/3/2011 7:20:50 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
2-Hexanone	ND	50		µg/L	5	10/3/2011 7:20:50 PM
Isopropylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	10/3/2011 7:20:50 PM
Methylene Chloride	ND	15		µg/L	5	10/3/2011 7:20:50 PM
n-Butylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
n-Propylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
sec-Butylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Styrene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
tert-Butylbenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	10/3/2011 7:20:50 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
trans-1,2-DCE	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM

Qualifiers:

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- E Estimated value
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- 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 To EP-1
Lab Order:	1109B56	**Collection Date:**	9/28/2011 10:35:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Trichlorofluoromethane	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	10/3/2011 7:20:50 PM
Vinyl chloride	ND	5.0		µg/L	5	10/3/2011 7:20:50 PM
Xylenes, Total	ND	7.5		µg/L	5	10/3/2011 7:20:50 PM
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%REC	5	10/3/2011 7:20:50 PM
Surr: 4-Bromofluorobenzene	78.2	73-131		%REC	5	10/3/2011 7:20:50 PM
Surr: Dibromofluoromethane	99.4	70-130		%REC	5	10/3/2011 7:20:50 PM
Surr: Toluene-d8	107	70-130		%REC	5	10/3/2011 7:20:50 PM

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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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1109B56	**Collection Date:**	9/29/2011 11:40:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.3	1.0		mg/L	1	10/1/2011 6:33:46 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/1/2011 6:33:46 PM
Surr: DNOP	128	81.1-147		%REC	1	10/1/2011 6:33:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.25		mg/L	5	10/7/2011 2:45:37 AM
Surr: BFB	97.9	65.4-141		%REC	5	10/7/2011 2:45:37 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.015	0.0020		mg/L	1	10/4/2011 11:45:34 AM
Cadmium	ND	0.0020		mg/L	1	10/4/2011 11:45:34 AM
Chromium	ND	0.0060		mg/L	1	10/4/2011 11:45:34 AM
Copper	ND	0.0060		mg/L	1	10/4/2011 11:45:34 AM
Iron	0.068	0.020		mg/L	1	10/4/2011 11:45:34 AM
Lead	ND	0.0050		mg/L	1	10/4/2011 11:45:34 AM
Manganese	0.11	0.0020		mg/L	1	10/4/2011 11:45:34 AM
Silver	ND	0.0050		mg/L	1	10/4/2011 11:45:34 AM
Zinc	0.014	0.010		mg/L	1	10/4/2011 11:45:34 AM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.024	0.0020		mg/L	1	10/6/2011 8:33:07 AM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 8:33:07 AM
Chromium	0.017	0.0060		mg/L	1	10/6/2011 8:33:07 AM
Copper	0.063	0.0060		mg/L	1	10/6/2011 8:33:07 AM
Iron	1.5	0.10		mg/L	5	10/6/2011 8:35:36 AM
Lead	ND	0.0050		mg/L	1	10/6/2011 8:33:07 AM
Manganese	0.12	0.0020		mg/L	1	10/6/2011 8:33:07 AM
Potassium	24	1.0		mg/L	1	10/6/2011 8:33:07 AM
Silver	ND	0.0050		mg/L	1	10/6/2011 8:33:07 AM
Zinc	0.12	0.010		mg/L	1	10/6/2011 8:33:07 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0015	0.0010		mg/L	1	10/12/2011 3:05:12 PM
Selenium	0.0029	0.0010		mg/L	1	10/12/2011 3:05:12 PM
Uranium	ND	0.0010		mg/L	1	10/12/2011 3:05:12 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0029	0.0025		mg/L	2.5	10/11/2011 1:33:39 PM
Selenium	ND	0.0025		mg/L	2.5	10/11/2011 1:33:39 PM
Uranium	ND	0.0025		mg/L	2.5	10/11/2011 1:33:39 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1109B56	**Collection Date:**	9/29/2011 11:40:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	9/30/2011 1:27:07 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Toluene	8.4	5.0		µg/L	5	10/3/2011 8:17:20 PM
Ethylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Naphthalene	ND	10		µg/L	5	10/3/2011 8:17:20 PM
1-Methylnaphthalene	ND	20		µg/L	5	10/3/2011 8:17:20 PM
2-Methylnaphthalene	ND	20		µg/L	5	10/3/2011 8:17:20 PM
Acetone	ND	50		µg/L	5	10/3/2011 8:17:20 PM
Bromobenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Bromodichloromethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Bromoform	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Bromomethane	ND	15		µg/L	5	10/3/2011 8:17:20 PM
2-Butanone	ND	50		µg/L	5	10/3/2011 8:17:20 PM
Carbon disulfide	57	50		µg/L	5	10/3/2011 8:17:20 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Chlorobenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Chloroethane	ND	10		µg/L	5	10/3/2011 8:17:20 PM
Chloroform	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Chloromethane	ND	15		µg/L	5	10/3/2011 8:17:20 PM
2-Chlorotoluene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
4-Chlorotoluene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
cis-1,2-DCE	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	10/3/2011 8:17:20 PM
Dibromochloromethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Dibromomethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1109B56	**Collection Date:**	9/29/2011 11:40:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1-Dichloroethene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
2,2-Dichloropropane	ND	10		µg/L	5	10/3/2011 8:17:20 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
2-Hexanone	ND	50		µg/L	5	10/3/2011 8:17:20 PM
Isopropylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
4-Isopropyltoluene	7.2	5.0		µg/L	5	10/3/2011 8:17:20 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	10/3/2011 8:17:20 PM
Methylene Chloride	ND	15		µg/L	5	10/3/2011 8:17:20 PM
n-Butylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
n-Propylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
sec-Butylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Styrene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
tert-Butylbenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	10/3/2011 8:17:20 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
trans-1,2-DCE	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	10/3/2011 8:17:20 PM
Vinyl chloride	ND	5.0		µg/L	5	10/3/2011 8:17:20 PM
Xylenes, Total	ND	7.5		µg/L	5	10/3/2011 8:17:20 PM
Surr: 1,2-Dichloroethane-d4	105	70-130		%REC	5	10/3/2011 8:17:20 PM
Surr: 4-Bromofluorobenzene	90.0	73-131		%REC	5	10/3/2011 8:17:20 PM
Surr: Dibromofluoromethane	101	70-130		%REC	5	10/3/2011 8:17:20 PM
Surr: Toluene-d8	100	70-130		%REC	5	10/3/2011 8:17:20 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1109B56	**Collection Date:**	9/29/2011 8:05:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: JAL
Biochemical Oxygen Demand	360	2.0		mg/L	1	10/5/2011 7:00:00 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
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: *26-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1109B56	**Collection Date:**	9/28/2011 9:30:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/7/2011 3:15:40 AM
Surr: BFB	*97.6*	*65.4-141*		%REC	1	10/7/2011 3:15:40 AM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Toluene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Naphthalene	ND	2.0		µg/L	1	10/3/2011 10:10:08 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2011 10:10:08 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2011 10:10:08 PM
Acetone	ND	10		µg/L	1	10/3/2011 10:10:08 PM
Bromobenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Bromoform	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Bromomethane	ND	3.0		µg/L	1	10/3/2011 10:10:08 PM
2-Butanone	ND	10		µg/L	1	10/3/2011 10:10:08 PM
Carbon disulfide	ND	10		µg/L	1	10/3/2011 10:10:08 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Chloroethane	ND	2.0		µg/L	1	10/3/2011 10:10:08 PM
Chloroform	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Chloromethane	ND	3.0		µg/L	1	10/3/2011 10:10:08 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2011 10:10:08 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Dibromomethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2011 10:10:08 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1109B56	**Collection Date:**	9/28/2011 9:30:00 AM
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2011 10:10:08 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
2-Hexanone	ND	10		µg/L	1	10/3/2011 10:10:08 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2011 10:10:08 PM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2011 10:10:08 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Styrene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2011 10:10:08 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2011 10:10:08 PM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2011 10:10:08 PM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2011 10:10:08 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	10/3/2011 10:10:08 PM
Surr: 4-Bromofluorobenzene	87.6	73-131		%REC	1	10/3/2011 10:10:08 PM
Surr: Dibromofluoromethane	96.5	70-130		%REC	1	10/3/2011 10:10:08 PM
Surr: Toluene-d8	99.6	70-130		%REC	1	10/3/2011 10:10:08 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1109B56	**Collection Date:**	
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/7/2011 3:45:38 AM
Surr: BFB	90.0	65.4-141		%REC	1	10/7/2011 3:45:38 AM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Toluene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Naphthalene	ND	2.0		µg/L	1	10/3/2011 10:38:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2011 10:38:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2011 10:38:25 PM
Acetone	ND	10		µg/L	1	10/3/2011 10:38:25 PM
Bromobenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Bromoform	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Bromomethane	ND	3.0		µg/L	1	10/3/2011 10:38:25 PM
2-Butanone	ND	10		µg/L	1	10/3/2011 10:38:25 PM
Carbon disulfide	ND	10		µg/L	1	10/3/2011 10:38:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Chloroethane	ND	2.0		µg/L	1	10/3/2011 10:38:25 PM
Chloroform	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Chloromethane	ND	3.0		µg/L	1	10/3/2011 10:38:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2011 10:38:25 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Dibromomethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2011 10:38:25 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1109B56	**Collection Date:**	
Project:	2011 Annual/Quarterly	**Date Received:**	9/29/2011
Lab ID:	1109B56-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2011 10:38:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
2-Hexanone	ND	10		µg/L	1	10/3/2011 10:38:25 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2011 10:38:25 PM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2011 10:38:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Styrene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2011 10:38:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2011 10:38:25 PM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2011 10:38:25 PM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2011 10:38:25 PM
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%REC	1	10/3/2011 10:38:25 PM
Surr: 4-Bromofluorobenzene	86.8	73-131		%REC	1	10/3/2011 10:38:25 PM
Surr: Dibromofluoromethane	98.1	70-130		%REC	1	10/3/2011 10:38:25 PM
Surr: Toluene-d8	97.8	70-130		%REC	1	10/3/2011 10:38:25 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111004038
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1109B56
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111004038-001	**Sampling Date**	9/29/2011	**Date/Time Received**	10/4/2011 1:10 PM
Client Sample ID	1109B56-03E / PILOT EFF	**Sampling Time**	11:40 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	378	mg/L	50	10/11/2011	JLU	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

Wednesday, October 12, 2011

QA/QC SUMMARY REPORT

C Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-28748		*MBLK*				Batch ID:	**28748**	Analysis Date:	10/6/2011 6:58:29 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-28748		*LCS*				Batch ID:	**28748**	Analysis Date:	10/6/2011 7:01:53 AM		
Arsenic	0.5166	mg/L	0.020	0.5	0	103	85	115			
Barium	0.4958	mg/L	0.0020	0.5	0	99.2	85	115			
C m	0.5031	mg/L	0.0020	0.5	0	101	85	115			
C n	50.72	mg/L	1.0	50	0	101	85	115			
Chromium	0.4918	mg/L	0.0060	0.5	0	98.4	85	115			
Copper	0.5059	mg/L	0.0060	0.5	0	101	85	115			
Iron	0.5080	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5017	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	52.33	mg/L	1.0	50	0	105	85	115			
Manganese	0.4826	mg/L	0.0020	0.5	0	96.5	85	115			
Potassium	51.01	mg/L	1.0	50	0	102	85	115			
Selenium	0.4941	mg/L	0.050	0.5	0	98.8	85	115			
Silver	0.1007	mg/L	0.0050	0.1	0	101	85	115			
Sodium	51.21	mg/L	1.0	50	0	102	85	115			
Zinc	0.4769	mg/L	0.010	0.5	0	95.4	85	115			

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: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R48167**		Analysis Date:	10/4/2011 9:56:37 AM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: **R48167**		Analysis Date:	10/4/2011 10:00:06 AM		
Barium	0.4963	mg/L	0.0020	0.5	0	99.3	85	115			
Cadmium	0.5030	mg/L	0.0020	0.5	0	101	85	115			
Calcium	50.51	mg/L	1.0	50	0	101	85	115			
Chromium	0.4944	mg/L	0.0060	0.5	0	98.9	85	115			
Copper	0.5062	mg/L	0.0060	0.5	0.0007	101	85	115			
Iron	0.4952	mg/L	0.020	0.5	0	99.0	85	115			
Lead	0.4959	mg/L	0.0050	0.5	0	99.2	85	115			
Magnesium	50.90	mg/L	1.0	50	0	102	85	115			
Manganese	0.4815	mg/L	0.0020	0.5	0	96.3	85	115			
Potassium	49.65	mg/L	1.0	50	0	99.3	85	115			
Silver	0.1000	mg/L	0.0050	0.1	0	100	85	115			
Sodium	50.02	mg/L	1.0	50	0	100	85	115			
Zinc	0.4923	mg/L	0.010	0.5	0	98.5	85	115			

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

Cl Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:33:35 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 11:37:41 AM		
Arsenic	0.02455	mg/L	0.0010	0.025	0	98.2	85	115			
Selenium	0.02533	mg/L	0.0010	0.025	0	101	85	115			
Uranium	0.02486	mg/L	0.0010	0.025	0	99.4	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-28748		*MBLK*				Batch ID:	**28748**	Analysis Date:	10/11/2011 12:38:33 PM		
A	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:32:20 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48355**	Analysis Date:	10/12/2011 2:36:26 PM		
Arsenic	0.02459	mg/L	0.0010	0.025	0	98.4	85	115			
Selenium	0.02585	mg/L	0.0010	0.025	0	103	85	115			
Uranium	0.02348	mg/L	0.0010	0.025	0	93.9	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-28664		*MBLK*				Batch ID:	**28664**	Analysis Date:	9/30/2011 1:03:49 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-28664		*LCS*				Batch ID:	**28664**	Analysis Date:	9/30/2011 1:05:34 PM		
Mercury	0.005360	mg/L	0.00020	0.005	0	107	80	120			

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R48120**		Analysis Date: 9/30/2011 9:15:45 AM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R48312**		Analysis Date: 10/10/2011 11:43:50 AM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R48330**		Analysis Date: 10/11/2011 11:13:54 AM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R48120**		Analysis Date: 9/30/2011 9:33:10 AM			
Fluoride	0.5448	mg/L	0.10	0.5	0	109	90	110			
Chloride	4.907	mg/L	0.50	5	0	98.1	90	110			
Bromide	2.466	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.606	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	4.936	mg/L	0.50	5	0	98.7	90	110			
Sulfate	9.997	mg/L	0.50	10	0	100	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R48312**		Analysis Date: 10/10/2011 12:01:14 PM			
Fluoride	0.4946	mg/L	0.10	0.5	0	98.9	90	110			
Chloride	4.982	mg/L	0.50	5	0	99.6	90	110			
Bromide	2.522	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.578	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	4.984	mg/L	0.50	5	0	99.7	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R48330**		Analysis Date: 10/11/2011 11:31:19 AM			
Fluoride	0.4914	mg/L	0.10	0.5	0	98.3	90	110			
Chloride	4.723	mg/L	0.50	5	0	94.5	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.370	mg/L	0.20	3.5	0	96.3	90	110			
Phosphorus, Orthophosphate (As P)	4.738	mg/L	0.50	5	0	94.8	90	110			
Sulfate	9.426	mg/L	0.50	10	0	94.3	90	110			

Qualifiers:

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QA/QC SUMMARY REPORT

C Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28670		*MBLK*				Batch ID:	**28670**	Analysis Date:		10/1/2011 3:40:05 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28670		*LCS*				Batch ID:	**28670**	Analysis Date:		10/1/2011 4:14:59 PM	
Diesel Range Organics (DRO)	6.186	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-28670		*LCSD*				Batch ID:	**28670**	Analysis Date:		10/1/2011 4:49:23 PM	
Diesel Range Organics (DRO)	6.291	mg/L	1.0	5	0	126	74	157	1.69	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48262**	Analysis Date:		10/6/2011 10:14:00 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48262**	Analysis Date:		10/6/2011 12:14:36 PM	
Gasoline Range Organics (GRO)	0.5410	mg/L	0.050	0.5	0	108	92.1	117			

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48119**		Analysis Date: 10/3/2011 9:27:22 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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QA/QC SUMMARY REPORT

C Western Refining Southwest, Gallup
Pr..ct: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48119**	Analysis Date:		10/3/2011 9:27:22 AM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1 ichloropropane	ND	µg/L	2.0								
V .oride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R48119**	Analysis Date:		10/3/2011 10:23:45 AM	
Benzene	20.46	µg/L	1.0	20	0	102	81.1	130			
Toluene	21.96	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	22.43	µg/L	1.0	20	0	112	70	130			
1,1-Dichloroethene	19.54	µg/L	1.0	20	0	97.7	83.1	126			
Trichloroethene (TCE)	18.13	µg/L	1.0	20	0	90.7	67.4	137			

..tiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28689		*MBLK*					Batch ID: **28689**		Analysis Date:	10/5/2011 12:41:29 PM	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

C : Western Refining Southwest, Gallup
Project: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28689		*MBLK*				**Batch ID: 28689**		**Analysis Date: 10/5/2011 12:41:29 PM**			
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
›henol	ND	µg/L	10								
,nlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-28689		*LCS*				**Batch ID: 28689**		**Analysis Date: 10/5/2011 1:10:39 PM**			
Acenaphthene	70.50	µg/L	10	100	0	70.5	31.7	107			
4-Chloro-3-methylphenol	142.5	µg/L	10	200	0	71.3	24.4	123			
2-Chlorophenol	128.3	µg/L	10	200	0	64.2	24.7	104			
1,4-Dichlorobenzene	56.54	µg/L	10	100	0	56.5	20.3	95			
2,4-Dinitrotoluene	70.12	µg/L	10	100	0	70.1	22.4	106			
N-Nitrosodi-n-propylamine	63.38	µg/L	10	100	0	63.4	25.3	107			
4-Nitrophenol	77.10	µg/L	10	200	0	38.6	11.6	110			
Pentachlorophenol	107.3	µg/L	20	200	0	53.7	19.5	113			
Phenol	74.46	µg/L	10	200	0	37.2	16.1	69.3			
Pyrene	67.58	µg/L	10	100	0	67.6	38.3	99.3			
1,2,4-Trichlorobenzene	56.06	µg/L	10	100	0	56.1	25	97.3			
Sample ID: lcsd-28689		*LCSD*				**Batch ID: 28689**		**Analysis Date: 10/5/2011 1:39:47 PM**			
Acenaphthene	66.70	µg/L	10	100	0	66.7	31.7	107	5.54	20	
4-Chloro-3-methylphenol	134.1	µg/L	10	200	0	67.0	24.4	123	6.10	20	
2-Chlorophenol	125.0	µg/L	10	200	0	62.5	24.7	104	2.65	20	
›ichlorobenzene	48.70	µg/L	10	100	0	48.7	20.3	95	14.9	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: 2011 Annual/Quarterly **Work Order:** 1109B56

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-28689		*LCSD*				Batch ID:	**28689**	Analysis Date:		10/5/2011 1:39:47 PM	
2,4-Dinitrotoluene	70.48	µg/L	10	100	0	70.5	22.4	106	0.512	20	
N-Nitrosodi-n-propylamine	55.90	µg/L	10	100	0	55.9	25.3	107	12.5	20	
4-Nitrophenol	73.30	µg/L	10	200	0	36.7	11.6	110	5.05	20	
Pentachlorophenol	97.86	µg/L	20	200	0	48.9	19.5	113	9.20	20	
Phenol	74.52	µg/L	10	200	0	37.3	16.1	69.3	0.0805	20	
Pyrene	60.76	µg/L	10	100	0	60.8	38.3	99.3	10.6	20	
1,2,4-Trichlorobenzene	47.48	µg/L	10	100	0	47.5	25	97.3	16.6	20	
Method: SM5210B: BOD											
Sample ID: MB-28659		*MBLK*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-28659		*MBLK*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-28659		*LCS*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	178.3	mg/L	2.0	198	0	90.0	84.6	115.4			
Sample ID: LCSD-28659		*LCSD*				Batch ID:	**28659**	Analysis Date:		10/5/2011 7:00:00 AM	
Biochemical Oxygen Demand	181.3	mg/L	2.0	198	0	91.5	84.6	115.4	1.67	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 9/29/2011

Work Order Number 1109B56 — Received by: KMS

Checklist completed by: Signature 9/29/11 Date — Sample ID labels checked by: Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
ter - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 9

(<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 mL HNO_3 to 01D, 02E + 03D. Added 0.4 mL HNO_3 to 01C + 05C for acceptable pH level. DG 9/30/11

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2011 Annual/Quarterly
Project #: Effluents
Project Manager: C Johnson
Sampler:
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1109354	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	BOD	COD	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) TMTBE	8270 (Semi-VOA) phenols	WQCC Metals - Total	WQCC Metals - Dissolved	Ben Chem	Major Cations / Anions	Air Bubbles (Y or N)
9/28/11	1004	AQ	NAPIS Eff.			-1			X								X	X	X	X	X		
	1035		AL-2 to EP-1			-2			X								X	X	X	X		X	
	1140		Pilot Eff. *			-3			X			X					X		X	X			
9/29/11	0805		Pilot Eff. *			-4					X												
7/28/11	0930		Field Blank			-5																	
			Trip Blank			-6																	

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/29/11	1145			9/29/11	1145
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Ben Chem: pH, Cations, Anions, Spec Cond.
* Caution - May contain bio hazards

If necess ...mples submitted to Hall Environmental may be subcontracted to other accredited laboratories ...rves as notice of this possibility. Any sub-contracted data will be clearly notated on the analyt ...ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, October 26, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual

Order No.: 1110269

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 10/5/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-2
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:00:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	ND	0.50		mg/L	5	10/6/2011 5:25:13 AM
Chloride	130	10		mg/L	20	10/6/2011 5:42:37 AM
Bromide	2.5	0.50		mg/L	5	10/6/2011 5:25:13 AM
Nitrate (As N)+Nitrite (As N)	67	2.0		mg/L	10	10/12/2011 2:30:27 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	10/6/2011 5:25:13 AM
Sulfate	ND	2.5		mg/L	5	10/6/2011 5:25:13 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	2.8	0.010		mg/L	5	10/6/2011 5:01:23 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 4:58:55 PM
Calcium	130	5.0		mg/L	5	10/6/2011 5:01:23 PM
Chromium	ND	0.0060		mg/L	1	10/6/2011 4:58:55 PM
Copper	ND	0.0060		mg/L	1	10/6/2011 4:58:55 PM
Iron	6.1	0.20		mg/L	10	10/17/2011 2:16:37 PM
Lead	ND	0.0050		mg/L	1	10/6/2011 4:58:55 PM
Magnesium	22	1.0		mg/L	1	10/6/2011 4:58:55 PM
Manganese	2.0	0.010		mg/L	5	10/6/2011 5:01:23 PM
Potassium	ND	1.0		mg/L	1	10/6/2011 4:58:55 PM
Silver	ND	0.0050		mg/L	1	10/6/2011 4:58:55 PM
Sodium	210	5.0		mg/L	5	10/6/2011 5:01:23 PM
Zinc	ND	0.010		mg/L	1	10/6/2011 4:58:55 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	3.1	0.010		mg/L	5	10/11/2011 2:34:53 PM
Cadmium	ND	0.0020		mg/L	1	10/11/2011 12:14:36 PM
Chromium	ND	0.0060		mg/L	1	10/11/2011 12:14:36 PM
Copper	0.0098	0.0060		mg/L	1	10/11/2011 12:14:36 PM
Iron	11	0.40		mg/L	20	10/14/2011 9:19:32 AM
Lead	ND	0.0050		mg/L	1	10/11/2011 12:14:36 PM
Manganese	2.2	0.010		mg/L	5	10/11/2011 2:34:53 PM
Silver	ND	0.0050		mg/L	1	10/11/2011 12:14:36 PM
Zinc	0.028	0.010		mg/L	1	10/11/2011 12:14:36 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0060	0.0020		mg/L	2	10/14/2011 5:31:14 PM
Selenium	0.010	0.0020		mg/L	2	10/14/2011 5:31:14 PM
Uranium	ND	0.0010		mg/L	1	10/14/2011 5:43:52 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0061	0.0025		mg/L	2.5	10/14/2011 12:56:42 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-2
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:00:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0069	0.0025		mg/L	2.5	10/14/2011 12:56:42 PM
Uranium	ND	0.0025		mg/L	2.5	10/14/2011 12:56:42 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/6/2011 3:02:41 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Acenaphthylene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Aniline	150	10		µg/L	1	10/7/2011 12:07:47 PM
Anthracene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Azobenzene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Benz(a)anthracene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Benzoic acid	21	20		µg/L	1	10/7/2011 12:07:47 PM
Benzyl alcohol	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/7/2011 12:07:47 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Carbazole	ND	10		µg/L	1	10/7/2011 12:07:47 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/7/2011 12:07:47 PM
4-Chloroaniline	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2-Chlorophenol	ND	10		µg/L	1	10/7/2011 12:07:47 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Chrysene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Dibenzofuran	ND	10		µg/L	1	10/7/2011 12:07:47 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/7/2011 12:07:47 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: *26-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-2
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:00:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Dimethyl phthalate	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/7/2011 12:07:47 PM
2,4-Dimethylphenol	160	10		µg/L	1	10/7/2011 12:07:47 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/7/2011 12:07:47 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/7/2011 12:07:47 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Fluoranthene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Fluorene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Hexachlorobenzene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Hexachloroethane	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Isophorone	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
1-Methylnaphthalene	23	10		µg/L	1	10/7/2011 12:07:47 PM
2-Methylphenol	90	10		µg/L	1	10/7/2011 12:07:47 PM
3+4-Methylphenol	32	10		µg/L	1	10/7/2011 12:07:47 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/7/2011 12:07:47 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/7/2011 12:07:47 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Naphthalene	26	10		µg/L	1	10/7/2011 12:07:47 PM
2-Nitroaniline	ND	10		µg/L	1	10/7/2011 12:07:47 PM
3-Nitroaniline	ND	10		µg/L	1	10/7/2011 12:07:47 PM
4-Nitroaniline	ND	20		µg/L	1	10/7/2011 12:07:47 PM
Nitrobenzene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2-Nitrophenol	ND	10		µg/L	1	10/7/2011 12:07:47 PM
4-Nitrophenol	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Pentachlorophenol	ND	20		µg/L	1	10/7/2011 12:07:47 PM
Phenanthrene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Phenol	38	10		µg/L	1	10/7/2011 12:07:47 PM
Pyrene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Pyridine	ND	10		µg/L	1	10/7/2011 12:07:47 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/7/2011 12:07:47 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/7/2011 12:07:47 PM
Surr: 2,4,6-Tribromophenol	61.1	14.4-140		%REC	1	10/7/2011 12:07:47 PM
Surr: 2-Fluorobiphenyl	53.0	31.2-116		%REC	1	10/7/2011 12:07:47 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-2
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:00:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: 2-Fluorophenol	20.1	11.8-102		%REC	1	10/7/2011 12:07:47 PM
Surr: 4-Terphenyl-d14	49.9	19.1-132		%REC	1	10/7/2011 12:07:47 PM
Surr: Nitrobenzene-d5	49.5	21.3-126		%REC	1	10/7/2011 12:07:47 PM
Surr: Phenol-d5	25.7	13.7-82.2		%REC	1	10/7/2011 12:07:47 PM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	39000	1000		µg/L	1000	10/7/2011 5:59:10 PM
Toluene	5300	100		µg/L	100	10/7/2011 12:32:32 AM
Ethylbenzene	570	10		µg/L	10	10/7/2011 12:58:44 AM
Methyl tert-butyl ether (MTBE)	3700	100		µg/L	100	10/7/2011 12:32:32 AM
1,2,4-Trimethylbenzene	98	10		µg/L	10	10/7/2011 12:58:44 AM
1,3,5-Trimethylbenzene	24	10		µg/L	10	10/7/2011 12:58:44 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Naphthalene	57	20		µg/L	10	10/7/2011 12:58:44 AM
1-Methylnaphthalene	54	40		µg/L	10	10/7/2011 12:58:44 AM
2-Methylnaphthalene	ND	40		µg/L	10	10/7/2011 12:58:44 AM
Acetone	ND	100		µg/L	10	10/7/2011 12:58:44 AM
Bromobenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Bromodichloromethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Bromoform	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Bromomethane	ND	30		µg/L	10	10/7/2011 12:58:44 AM
2-Butanone	ND	100		µg/L	10	10/7/2011 12:58:44 AM
Carbon disulfide	ND	100		µg/L	10	10/7/2011 12:58:44 AM
Carbon Tetrachloride	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Chlorobenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Chloroethane	ND	20		µg/L	10	10/7/2011 12:58:44 AM
Chloroform	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Chloromethane	140	30		µg/L	10	10/7/2011 12:58:44 AM
2-Chlorotoluene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
4-Chlorotoluene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
cis-1,2-DCE	ND	10		µg/L	10	10/7/2011 12:58:44 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	10/7/2011 12:58:44 AM
Dibromochloromethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Dibromomethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Dichlorodifluoromethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-2
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:00:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,1-Dichloroethene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,2-Dichloropropane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,3-Dichloropropane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
2,2-Dichloropropane	ND	20		µg/L	10	10/7/2011 12:58:44 AM
1,1-Dichloropropene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Hexachlorobutadiene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
2-Hexanone	ND	100		µg/L	10	10/7/2011 12:58:44 AM
Isopropylbenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
4-Isopropyltoluene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	10/7/2011 12:58:44 AM
Methylene Chloride	ND	30		µg/L	10	10/7/2011 12:58:44 AM
n-Butylbenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
n-Propylbenzene	36	10		µg/L	10	10/7/2011 12:58:44 AM
sec-Butylbenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Styrene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
tert-Butylbenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	10/7/2011 12:58:44 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	10/7/2011 12:58:44 AM
trans-1,2-DCE	ND	10		µg/L	10	10/7/2011 12:58:44 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Trichloroethene (TCE)	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Trichlorofluoromethane	ND	10		µg/L	10	10/7/2011 12:58:44 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	10/7/2011 12:58:44 AM
Vinyl chloride	ND	10		µg/L	10	10/7/2011 12:58:44 AM
Xylenes, Total	1500	15		µg/L	10	10/7/2011 12:58:44 AM
Surr: 1,2-Dichloroethane-d4	96.8	70-130		%REC	10	10/7/2011 12:58:44 AM
Surr: 4-Bromofluorobenzene	102	73-131		%REC	10	10/7/2011 12:58:44 AM
Surr: Dibromofluoromethane	108	70-130		%REC	10	10/7/2011 12:58:44 AM
Surr: Toluene-d8	97.0	70-130		%REC	10	10/7/2011 12:58:44 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-1
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:40:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	ND	0.50		mg/L	5	10/6/2011 11:13:23 AM
Chloride	410	25		mg/L	50	10/7/2011 3:01:36 AM
Bromide	3.3	0.50		mg/L	5	10/6/2011 11:13:23 AM
Nitrate (As N)+Nitrite (As N)	220	4.0		mg/L	20	10/12/2011 3:29:00 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	10/6/2011 11:13:23 AM
Sulfate	ND	2.5		mg/L	5	10/6/2011 11:13:23 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	5.0	0.010		mg/L	5	10/6/2011 5:06:19 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 5:03:44 PM
Calcium	230	5.0		mg/L	5	10/6/2011 5:06:19 PM
Chromium	ND	0.0060		mg/L	1	10/6/2011 5:03:44 PM
Copper	ND	0.0060		mg/L	1	10/6/2011 5:03:44 PM
Iron	5.2	0.20		mg/L	10	10/17/2011 2:19:15 PM
Lead	ND	0.0050		mg/L	1	10/6/2011 5:03:44 PM
Magnesium	40	1.0		mg/L	1	10/6/2011 5:03:44 PM
Manganese	3.3	0.010		mg/L	5	10/6/2011 5:06:19 PM
Potassium	1.1	1.0		mg/L	1	10/6/2011 5:03:44 PM
Silver	ND	0.0050		mg/L	1	10/6/2011 5:03:44 PM
Sodium	260	5.0		mg/L	5	10/6/2011 5:06:19 PM
Zinc	0.067	0.010		mg/L	1	10/6/2011 5:03:44 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	4.8	0.020		mg/L	10	10/11/2011 2:50:52 PM
Cadmium	ND	0.0020		mg/L	1	10/11/2011 12:17:09 PM
Chromium	ND	0.0060		mg/L	1	10/11/2011 12:17:09 PM
Copper	0.035	0.0060		mg/L	1	10/11/2011 12:17:09 PM
Iron	4.6	0.20		mg/L	10	10/14/2011 9:22:01 AM
Lead	ND	0.0050		mg/L	1	10/11/2011 12:17:09 PM
Manganese	3.3	0.020		mg/L	10	10/11/2011 2:50:52 PM
Silver	ND	0.0050		mg/L	1	10/11/2011 12:17:09 PM
Zinc	0.060	0.010		mg/L	1	10/11/2011 12:17:09 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0071	0.0020		mg/L	2	10/14/2011 5:33:20 PM
Selenium	0.013	0.0020		mg/L	2	10/14/2011 5:33:20 PM
Uranium	0.0028	0.0020		mg/L	2	10/14/2011 5:33:20 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.010	0.0025		mg/L	2.5	10/14/2011 1:00:48 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-1
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:40:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0075	0.0025		mg/L	2.5	10/14/2011 1:00:48 PM
Uranium	0.0043	0.0025		mg/L	2.5	10/14/2011 1:00:48 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/6/2011 3:04:29 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Acenaphthylene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Aniline	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Anthracene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Azobenzene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Benz(a)anthracene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Benzo(a)pyrene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Benzo(b)fluoranthene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Benzo(g,h,i)perylene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Benzo(k)fluoranthene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Benzoic acid	ND	200		µg/L	10	10/7/2011 2:04:34 PM
Benzyl alcohol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Bis(2-chloroethoxy)methane	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Bis(2-chloroethyl)ether	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Bis(2-chloroisopropyl)ether	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Bis(2-ethylhexyl)phthalate	ND	100		µg/L	10	10/7/2011 2:04:34 PM
4-Bromophenyl phenyl ether	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Butyl benzyl phthalate	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Carbazole	ND	100		µg/L	10	10/7/2011 2:04:34 PM
4-Chloro-3-methylphenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
4-Chloroaniline	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2-Chloronaphthalene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2-Chlorophenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
4-Chlorophenyl phenyl ether	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Chrysene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Di-n-butyl phthalate	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Di-n-octyl phthalate	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Dibenz(a,h)anthracene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Dibenzofuran	ND	100		µg/L	10	10/7/2011 2:04:34 PM
1,2-Dichlorobenzene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
1,3-Dichlorobenzene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
1,4-Dichlorobenzene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
3,3'-Dichlorobenzidine	ND	100		µg/L	10	10/7/2011 2:04:34 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-1
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:40:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Dimethyl phthalate	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2,4-Dichlorophenol	ND	200		µg/L	10	10/7/2011 2:04:34 PM
2,4-Dimethylphenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
4,6-Dinitro-2-methylphenol	ND	200		µg/L	10	10/7/2011 2:04:34 PM
2,4-Dinitrophenol	ND	200		µg/L	10	10/7/2011 2:04:34 PM
2,4-Dinitrotoluene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2,6-Dinitrotoluene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Fluoranthene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Fluorene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Hexachlorobenzene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Hexachlorobutadiene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Hexachlorocyclopentadiene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Hexachloroethane	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Indeno(1,2,3-cd)pyrene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Isophorone	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2-Methylnaphthalene	1100	100		µg/L	10	10/7/2011 2:04:34 PM
1-Methylnaphthalene	500	100		µg/L	10	10/7/2011 2:04:34 PM
2-Methylphenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
3+4-Methylphenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
N-Nitrosodi-n-propylamine	ND	100		µg/L	10	10/7/2011 2:04:34 PM
N-Nitrosodimethylamine	ND	100		µg/L	10	10/7/2011 2:04:34 PM
N-Nitrosodiphenylamine	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Naphthalene	1300	100		µg/L	10	10/7/2011 2:04:34 PM
2-Nitroaniline	ND	100		µg/L	10	10/7/2011 2:04:34 PM
3-Nitroaniline	ND	100		µg/L	10	10/7/2011 2:04:34 PM
4-Nitroaniline	ND	200		µg/L	10	10/7/2011 2:04:34 PM
Nitrobenzene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2-Nitrophenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
4-Nitrophenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Pentachlorophenol	ND	200		µg/L	10	10/7/2011 2:04:34 PM
Phenanthrene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Phenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Pyrene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Pyridine	ND	100		µg/L	10	10/7/2011 2:04:34 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2,4,5-Trichlorophenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
2,4,6-Trichlorophenol	ND	100		µg/L	10	10/7/2011 2:04:34 PM
Surr: 2,4,6-Tribromophenol	0	14.4-140	S	%REC	10	10/7/2011 2:04:34 PM
Surr: 2-Fluorobiphenyl	0	31.2-116	S	%REC	10	10/7/2011 2:04:34 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: *26-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-1
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:40:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	0	11.8-102	S	%REC	10	10/7/2011 2:04:34 PM
Surr: 4-Terphenyl-d14	0	19.1-132	S	%REC	10	10/7/2011 2:04:34 PM
Surr: Nitrobenzene-d5	0	21.3-126	S	%REC	10	10/7/2011 2:04:34 PM
Surr: Phenol-d5	0	13.7-82.2	S	%REC	10	10/7/2011 2:04:34 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	51000	1000		µg/L	1000	10/7/2011 6:54:51 PM
Toluene	37000	1000		µg/L	1000	10/7/2011 6:54:51 PM
Ethylbenzene	3700	100		µg/L	100	10/7/2011 2:43:12 AM
Methyl tert-butyl ether (MTBE)	2900	100		µg/L	100	10/7/2011 2:43:12 AM
1,2,4-Trimethylbenzene	5800	100		µg/L	100	10/7/2011 2:43:12 AM
1,3,5-Trimethylbenzene	980	10		µg/L	10	10/7/2011 3:09:43 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Naphthalene	600	20		µg/L	10	10/7/2011 3:09:43 AM
1-Methylnaphthalene	71	40		µg/L	10	10/7/2011 3:09:43 AM
2-Methylnaphthalene	150	40		µg/L	10	10/7/2011 3:09:43 AM
Acetone	ND	100		µg/L	10	10/7/2011 3:09:43 AM
Bromobenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Bromodichloromethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Bromoform	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Bromomethane	ND	30		µg/L	10	10/7/2011 3:09:43 AM
2-Butanone	ND	100		µg/L	10	10/7/2011 3:09:43 AM
Carbon disulfide	ND	100		µg/L	10	10/7/2011 3:09:43 AM
Carbon Tetrachloride	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Chlorobenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Chloroethane	ND	20		µg/L	10	10/7/2011 3:09:43 AM
Chloroform	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Chloromethane	ND	30		µg/L	10	10/7/2011 3:09:43 AM
2-Chlorotoluene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
4-Chlorotoluene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
cis-1,2-DCE	ND	10		µg/L	10	10/7/2011 3:09:43 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	10/7/2011 3:09:43 AM
Dibromochloromethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Dibromomethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Dichlorodifluoromethane	ND	10		µg/L	10	10/7/2011 3:09:43 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
- 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-1
Lab Order:	1110269	**Collection Date:**	10/3/2011 3:40:00 PM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
1,1-Dichloroethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,1-Dichloroethene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,2-Dichloropropane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,3-Dichloropropane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
2,2-Dichloropropane	ND	20		µg/L	10	10/7/2011 3:09:43 AM
1,1-Dichloropropene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Hexachlorobutadiene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
2-Hexanone	ND	100		µg/L	10	10/7/2011 3:09:43 AM
Isopropylbenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
4-Isopropyltoluene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	10/7/2011 3:09:43 AM
Methylene Chloride	ND	30		µg/L	10	10/7/2011 3:09:43 AM
n-Butylbenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
n-Propylbenzene	400	10		µg/L	10	10/7/2011 3:09:43 AM
sec-Butylbenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Styrene	13	10		µg/L	10	10/7/2011 3:09:43 AM
tert-Butylbenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	10/7/2011 3:09:43 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	10/7/2011 3:09:43 AM
trans-1,2-DCE	ND	10		µg/L	10	10/7/2011 3:09:43 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Trichloroethene (TCE)	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Trichlorofluoromethane	ND	10		µg/L	10	10/7/2011 3:09:43 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	10/7/2011 3:09:43 AM
Vinyl chloride	ND	10		µg/L	10	10/7/2011 3:09:43 AM
Xylenes, Total	23000	150		µg/L	100	10/7/2011 2:43:12 AM
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%REC	10	10/7/2011 3:09:43 AM
Surr: 4-Bromofluorobenzene	90.7	73-131		%REC	10	10/7/2011 3:09:43 AM
Surr: Dibromofluoromethane	111	70-130		%REC	10	10/7/2011 3:09:43 AM
Surr: Toluene-d8	101	70-130		%REC	10	10/7/2011 3:09:43 AM

Qualifiers:

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- E Estimated value
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- 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-5
Lab Order:	1110269	**Collection Date:**	10/4/2011 8:50:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.54	0.50		mg/L	5	10/6/2011 7:44:30 AM
Chloride	26	2.5		mg/L	5	10/6/2011 7:44:30 AM
Bromide	0.86	0.50		mg/L	5	10/6/2011 7:44:30 AM
Nitrate (As N)+Nitrite (As N)	14	1.0		mg/L	5	10/7/2011 2:09:22 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	10/6/2011 7:44:30 AM
Sulfate	ND	2.5		mg/L	5	10/6/2011 7:44:30 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	3.1	0.010		mg/L	5	10/6/2011 5:20:27 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 5:08:39 PM
Calcium	75	1.0		mg/L	1	10/6/2011 5:08:39 PM
Chromium	ND	0.0060		mg/L	1	10/6/2011 5:08:39 PM
Copper	ND	0.0060		mg/L	1	10/6/2011 5:08:39 PM
Iron	5.4	0.20		mg/L	10	10/17/2011 2:21:34 PM
Lead	ND	0.0050		mg/L	1	10/6/2011 5:08:39 PM
Magnesium	14	1.0		mg/L	1	10/6/2011 5:08:39 PM
Manganese	0.89	0.0020		mg/L	1	10/6/2011 5:08:39 PM
Potassium	ND	1.0		mg/L	1	10/6/2011 5:08:39 PM
Silver	ND	0.0050		mg/L	1	10/6/2011 5:08:39 PM
Sodium	210	5.0		mg/L	5	10/6/2011 5:20:27 PM
Zinc	ND	0.010		mg/L	1	10/6/2011 5:08:39 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	3.7	0.020		mg/L	10	10/11/2011 2:54:02 PM
Cadmium	ND	0.0020		mg/L	1	10/11/2011 12:19:41 PM
Chromium	ND	0.0060		mg/L	1	10/11/2011 12:19:41 PM
Copper	ND	0.0060		mg/L	1	10/11/2011 12:19:41 PM
Iron	7.8	0.20		mg/L	10	10/14/2011 9:25:08 AM
Lead	ND	0.0050		mg/L	1	10/11/2011 12:19:41 PM
Manganese	0.97	0.0020		mg/L	1	10/11/2011 12:19:41 PM
Silver	ND	0.0050		mg/L	1	10/11/2011 12:19:41 PM
Zinc	0.013	0.010		mg/L	1	10/11/2011 12:19:41 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0048	0.0020		mg/L	2	10/14/2011 5:35:22 PM
Selenium	0.0035	0.0020		mg/L	2	10/14/2011 5:35:22 PM
Uranium	ND	0.0010		mg/L	1	10/14/2011 5:45:22 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0063	0.0025		mg/L	2.5	10/14/2011 1:04:53 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-5
Lab Order:	1110269	**Collection Date:**	10/4/2011 8:50:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	10/14/2011 1:04:53 PM
Uranium	ND	0.0025		mg/L	2.5	10/14/2011 1:04:53 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/6/2011 3:06:20 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Acenaphthylene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Aniline	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Anthracene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Azobenzene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Benz(a)anthracene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Benzoic acid	ND	20		µg/L	1	10/7/2011 1:06:15 PM
Benzyl alcohol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/7/2011 1:06:15 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Carbazole	ND	10		µg/L	1	10/7/2011 1:06:15 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
4-Chloroaniline	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2-Chlorophenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Chrysene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Dibenzofuran	ND	10		µg/L	1	10/7/2011 1:06:15 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/7/2011 1:06:15 PM

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- 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: *26-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-5
Lab Order:	1110269	**Collection Date:**	10/4/2011 8:50:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Dimethyl phthalate	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/7/2011 1:06:15 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/7/2011 1:06:15 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/7/2011 1:06:15 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Fluoranthene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Fluorene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Hexachlorobenzene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Hexachloroethane	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Isophorone	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2-Methylnaphthalene	130	10		µg/L	1	10/7/2011 1:06:15 PM
1-Methylnaphthalene	100	10		µg/L	1	10/7/2011 1:06:15 PM
2-Methylphenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
3+4-Methylphenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/7/2011 1:06:15 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/7/2011 1:06:15 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Naphthalene	110	10		µg/L	1	10/7/2011 1:06:15 PM
2-Nitroaniline	ND	10		µg/L	1	10/7/2011 1:06:15 PM
3-Nitroaniline	ND	10		µg/L	1	10/7/2011 1:06:15 PM
4-Nitroaniline	ND	20		µg/L	1	10/7/2011 1:06:15 PM
Nitrobenzene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2-Nitrophenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
4-Nitrophenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Pentachlorophenol	ND	20		µg/L	1	10/7/2011 1:06:15 PM
Phenanthrene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Phenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Pyrene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Pyridine	ND	10		µg/L	1	10/7/2011 1:06:15 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/7/2011 1:06:15 PM
Surr: 2,4,6-Tribromophenol	73.5	14.4-140		%REC	1	10/7/2011 1:06:15 PM
Surr: 2-Fluorobiphenyl	71.5	31.2-116		%REC	1	10/7/2011 1:06:15 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-5
Lab Order:	1110269	**Collection Date:**	10/4/2011 8:50:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: 2-Fluorophenol	27.7	11.8-102		%REC	1	10/7/2011 1:06:15 PM
Surr: 4-Terphenyl-d14	54.2	19.1-132		%REC	1	10/7/2011 1:06:15 PM
Surr: Nitrobenzene-d5	67.5	21.3-126		%REC	1	10/7/2011 1:06:15 PM
Surr: Phenol-d5	26.4	13.7-82.2		%REC	1	10/7/2011 1:06:15 PM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	560	10		µg/L	10	10/7/2011 7:50:25 PM
Toluene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Ethylbenzene	210	10		µg/L	10	10/7/2011 7:50:25 PM
Methyl tert-butyl ether (MTBE)	95	10		µg/L	10	10/7/2011 7:50:25 PM
1,2,4-Trimethylbenzene	130	10		µg/L	10	10/7/2011 7:50:25 PM
1,3,5-Trimethylbenzene	46	10		µg/L	10	10/7/2011 7:50:25 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Naphthalene	170	20		µg/L	10	10/7/2011 7:50:25 PM
1-Methylnaphthalene	110	40		µg/L	10	10/7/2011 7:50:25 PM
2-Methylnaphthalene	160	40		µg/L	10	10/7/2011 7:50:25 PM
Acetone	ND	100		µg/L	10	10/7/2011 7:50:25 PM
Bromobenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Bromodichloromethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Bromoform	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Bromomethane	ND	30		µg/L	10	10/7/2011 7:50:25 PM
2-Butanone	ND	100		µg/L	10	10/7/2011 7:50:25 PM
Carbon disulfide	ND	100		µg/L	10	10/7/2011 7:50:25 PM
Carbon Tetrachloride	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Chlorobenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Chloroethane	ND	20		µg/L	10	10/7/2011 7:50:25 PM
Chloroform	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Chloromethane	ND	30		µg/L	10	10/7/2011 7:50:25 PM
2-Chlorotoluene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
4-Chlorotoluene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
cis-1,2-DCE	ND	10		µg/L	10	10/7/2011 7:50:25 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	10/7/2011 7:50:25 PM
Dibromochloromethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Dibromomethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Dichlorodifluoromethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM

Qualifiers:

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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-5
Lab Order:	1110269	**Collection Date:**	10/4/2011 8:50:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,1-Dichloroethene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,2-Dichloropropane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,3-Dichloropropane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
2,2-Dichloropropane	ND	20		µg/L	10	10/7/2011 7:50:25 PM
1,1-Dichloropropene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Hexachlorobutadiene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
2-Hexanone	ND	100		µg/L	10	10/7/2011 7:50:25 PM
Isopropylbenzene	17	10		µg/L	10	10/7/2011 7:50:25 PM
4-Isopropyltoluene	10	10		µg/L	10	10/7/2011 7:50:25 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	10/7/2011 7:50:25 PM
Methylene Chloride	ND	30		µg/L	10	10/7/2011 7:50:25 PM
n-Butylbenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
n-Propylbenzene	40	10		µg/L	10	10/7/2011 7:50:25 PM
sec-Butylbenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Styrene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
tert-Butylbenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	10/7/2011 7:50:25 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	10/7/2011 7:50:25 PM
trans-1,2-DCE	ND	10		µg/L	10	10/7/2011 7:50:25 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Trichloroethene (TCE)	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Trichlorofluoromethane	ND	10		µg/L	10	10/7/2011 7:50:25 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	10/7/2011 7:50:25 PM
Vinyl chloride	ND	10		µg/L	10	10/7/2011 7:50:25 PM
Xylenes, Total	260	15		µg/L	10	10/7/2011 7:50:25 PM
Surr: 1,2-Dichloroethane-d4	90.8	70-130		%REC	10	10/7/2011 7:50:25 PM
Surr: 4-Bromofluorobenzene	92.8	73-131		%REC	10	10/7/2011 7:50:25 PM
Surr: Dibromofluoromethane	95.6	70-130		%REC	10	10/7/2011 7:50:25 PM
Surr: Toluene-d8	99.4	70-130		%REC	10	10/7/2011 7:50:25 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
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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-6
Lab Order:	1110269	**Collection Date:**	10/4/2011 10:02:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	ND	0.50		mg/L	5	10/6/2011 8:19:18 AM
Chloride	80	2.5		mg/L	5	10/6/2011 8:19:18 AM
Bromide	0.91	0.50		mg/L	5	10/6/2011 8:19:18 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/7/2011 2:26:46 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	10/6/2011 8:19:18 AM
Sulfate	ND	2.5		mg/L	5	10/6/2011 8:19:18 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	4.1	0.010		mg/L	5	10/6/2011 5:25:28 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2011 5:23:02 PM
Calcium	87	1.0		mg/L	1	10/6/2011 5:23:02 PM
Chromium	ND	0.0060		mg/L	1	10/6/2011 5:23:02 PM
Copper	ND	0.0060		mg/L	1	10/6/2011 5:23:02 PM
Iron	10	0.40		mg/L	20	10/17/2011 2:24:04 PM
Lead	0.0070	0.0050		mg/L	1	10/6/2011 5:23:02 PM
Magnesium	17	1.0		mg/L	1	10/6/2011 5:23:02 PM
Manganese	1.1	0.010		mg/L	5	10/6/2011 5:25:28 PM
Potassium	ND	1.0		mg/L	1	10/6/2011 5:23:02 PM
Silver	ND	0.0050		mg/L	1	10/6/2011 5:23:02 PM
Sodium	270	5.0		mg/L	5	10/6/2011 5:25:28 PM
Zinc	ND	0.010		mg/L	1	10/6/2011 5:23:02 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	4.2	0.010		mg/L	5	10/11/2011 2:56:31 PM
Cadmium	ND	0.0020		mg/L	1	10/11/2011 12:22:14 PM
Chromium	ND	0.0060		mg/L	1	10/11/2011 12:22:14 PM
Copper	ND	0.0060		mg/L	1	10/11/2011 12:22:14 PM
Iron	11	0.40		mg/L	20	10/14/2011 9:27:37 AM
Lead	0.0093	0.0050		mg/L	1	10/11/2011 12:22:14 PM
Manganese	1.1	0.010		mg/L	5	10/11/2011 2:56:31 PM
Silver	ND	0.0050		mg/L	1	10/11/2011 12:22:14 PM
Zinc	ND	0.010		mg/L	1	10/11/2011 12:22:14 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.016	0.0020		mg/L	2	10/14/2011 5:37:24 PM
Selenium	0.0044	0.0020		mg/L	2	10/14/2011 5:37:24 PM
Uranium	ND	0.0010		mg/L	1	10/14/2011 5:46:52 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.017	0.0025		mg/L	2.5	10/14/2011 1:08:58 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-6
Lab Order:	1110269	**Collection Date:**	10/4/2011 10:02:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	10/14/2011 1:08:58 PM
Uranium	ND	0.0025		mg/L	2.5	10/14/2011 1:08:58 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/6/2011 3:08:10 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Acenaphthylene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Aniline	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Anthracene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Azobenzene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Benz(a)anthracene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Benzo(a)pyrene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Benzo(b)fluoranthene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Benzo(g,h,i)perylene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Benzo(k)fluoranthene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Benzoic acid	ND	200		µg/L	10	10/7/2011 2:33:42 PM
Benzyl alcohol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Bis(2-chloroethoxy)methane	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Bis(2-chloroethyl)ether	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Bis(2-chloroisopropyl)ether	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Bis(2-ethylhexyl)phthalate	ND	100		µg/L	10	10/7/2011 2:33:42 PM
4-Bromophenyl phenyl ether	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Butyl benzyl phthalate	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Carbazole	ND	100		µg/L	10	10/7/2011 2:33:42 PM
4-Chloro-3-methylphenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
4-Chloroaniline	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2-Chloronaphthalene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2-Chlorophenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
4-Chlorophenyl phenyl ether	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Chrysene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Di-n-butyl phthalate	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Di-n-octyl phthalate	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Dibenz(a,h)anthracene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Dibenzofuran	ND	100		µg/L	10	10/7/2011 2:33:42 PM
1,2-Dichlorobenzene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
1,3-Dichlorobenzene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
1,4-Dichlorobenzene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
3,3'-Dichlorobenzidine	ND	100		µg/L	10	10/7/2011 2:33:42 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: *26-Oct-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-6
Lab Order:	1110269	**Collection Date:**	10/4/2011 10:02:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Dimethyl phthalate	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2,4-Dichlorophenol	ND	200		µg/L	10	10/7/2011 2:33:42 PM
2,4-Dimethylphenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
4,6-Dinitro-2-methylphenol	ND	200		µg/L	10	10/7/2011 2:33:42 PM
2,4-Dinitrophenol	ND	200		µg/L	10	10/7/2011 2:33:42 PM
2,4-Dinitrotoluene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2,6-Dinitrotoluene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Fluoranthene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Fluorene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Hexachlorobenzene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Hexachlorobutadiene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Hexachlorocyclopentadiene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Hexachloroethane	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Indeno(1,2,3-cd)pyrene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Isophorone	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2-Methylnaphthalene	590	100		µg/L	10	10/7/2011 2:33:42 PM
1-Methylnaphthalene	420	100		µg/L	10	10/7/2011 2:33:42 PM
2-Methylphenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
3+4-Methylphenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
N-Nitrosodi-n-propylamine	ND	100		µg/L	10	10/7/2011 2:33:42 PM
N-Nitrosodimethylamine	ND	100		µg/L	10	10/7/2011 2:33:42 PM
N-Nitrosodiphenylamine	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Naphthalene	460	100		µg/L	10	10/7/2011 2:33:42 PM
2-Nitroaniline	ND	100		µg/L	10	10/7/2011 2:33:42 PM
3-Nitroaniline	ND	100		µg/L	10	10/7/2011 2:33:42 PM
4-Nitroaniline	ND	200		µg/L	10	10/7/2011 2:33:42 PM
Nitrobenzene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2-Nitrophenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
4-Nitrophenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Pentachlorophenol	ND	200		µg/L	10	10/7/2011 2:33:42 PM
Phenanthrene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Phenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Pyrene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Pyridine	ND	100		µg/L	10	10/7/2011 2:33:42 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2,4,5-Trichlorophenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
2,4,6-Trichlorophenol	ND	100		µg/L	10	10/7/2011 2:33:42 PM
Surr: 2,4,6-Tribromophenol	0	14.4-140	S	%REC	10	10/7/2011 2:33:42 PM
Surr: 2-Fluorobiphenyl	0	31.2-116	S	%REC	10	10/7/2011 2:33:42 PM

Qualifiers:

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- 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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-6
Lab Order:	1110269	**Collection Date:**	10/4/2011 10:02:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: 2-Fluorophenol	0	11.8-102	S	%REC	10	10/7/2011 2:33:42 PM
Surr: 4-Terphenyl-d14	0	19.1-132	S	%REC	10	10/7/2011 2:33:42 PM
Surr: Nitrobenzene-d5	0	21.3-126	S	%REC	10	10/7/2011 2:33:42 PM
Surr: Phenol-d5	0	13.7-82.2	S	%REC	10	10/7/2011 2:33:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	870	10		µg/L	10	10/7/2011 5:49:39 AM
Toluene	29	10		µg/L	10	10/7/2011 5:49:39 AM
Ethylbenzene	330	10		µg/L	10	10/7/2011 5:49:39 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2,4-Trimethylbenzene	420	10		µg/L	10	10/7/2011 5:49:39 AM
1,3,5-Trimethylbenzene	160	10		µg/L	10	10/7/2011 5:49:39 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Naphthalene	520	20		µg/L	10	10/7/2011 5:49:39 AM
1-Methylnaphthalene	210	40		µg/L	10	10/7/2011 5:49:39 AM
2-Methylnaphthalene	310	40		µg/L	10	10/7/2011 5:49:39 AM
Acetone	ND	100		µg/L	10	10/7/2011 5:49:39 AM
Bromobenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Bromodichloromethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Bromoform	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Bromomethane	ND	30		µg/L	10	10/7/2011 5:49:39 AM
2-Butanone	ND	100		µg/L	10	10/7/2011 5:49:39 AM
Carbon disulfide	ND	100		µg/L	10	10/7/2011 5:49:39 AM
Carbon Tetrachloride	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Chlorobenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Chloroethane	ND	20		µg/L	10	10/7/2011 5:49:39 AM
Chloroform	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Chloromethane	ND	30		µg/L	10	10/7/2011 5:49:39 AM
2-Chlorotoluene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
4-Chlorotoluene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
cis-1,2-DCE	ND	10		µg/L	10	10/7/2011 5:49:39 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	10/7/2011 5:49:39 AM
Dibromochloromethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Dibromomethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Dichlorodifluoromethane	ND	10		µg/L	10	10/7/2011 5:49:39 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	RW-6
Lab Order:	1110269	**Collection Date:**	10/4/2011 10:02:00 AM
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
1,1-Dichloroethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,1-Dichloroethene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2-Dichloropropane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,3-Dichloropropane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
2,2-Dichloropropane	ND	20		µg/L	10	10/7/2011 5:49:39 AM
1,1-Dichloropropene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Hexachlorobutadiene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
2-Hexanone	ND	100		µg/L	10	10/7/2011 5:49:39 AM
Isopropylbenzene	43	10		µg/L	10	10/7/2011 5:49:39 AM
4-Isopropyltoluene	15	10		µg/L	10	10/7/2011 5:49:39 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	10/7/2011 5:49:39 AM
Methylene Chloride	ND	30		µg/L	10	10/7/2011 5:49:39 AM
n-Butylbenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
n-Propylbenzene	78	10		µg/L	10	10/7/2011 5:49:39 AM
sec-Butylbenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Styrene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
tert-Butylbenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	10/7/2011 5:49:39 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	10/7/2011 5:49:39 AM
trans-1,2-DCE	ND	10		µg/L	10	10/7/2011 5:49:39 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Trichloroethene (TCE)	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Trichlorofluoromethane	ND	10		µg/L	10	10/7/2011 5:49:39 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	10/7/2011 5:49:39 AM
Vinyl chloride	ND	10		µg/L	10	10/7/2011 5:49:39 AM
Xylenes, Total	1400	15		µg/L	10	10/7/2011 5:49:39 AM
Surr: 1,2-Dichloroethane-d4	95.2	70-130		%REC	10	10/7/2011 5:49:39 AM
Surr: 4-Bromofluorobenzene	93.7	73-131		%REC	10	10/7/2011 5:49:39 AM
Surr: Dibromofluoromethane	106	70-130		%REC	10	10/7/2011 5:49:39 AM
Surr: Toluene-d8	95.4	70-130		%REC	10	10/7/2011 5:49:39 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
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: *26-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1110269	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/5/2011
Lab ID:	1110269-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Toluene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Ethylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Naphthalene	ND	2.0		µg/L	1	10/7/2011 6:41:43 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/7/2011 6:41:43 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/7/2011 6:41:43 AM
Acetone	ND	10		µg/L	1	10/7/2011 6:41:43 AM
Bromobenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Bromoform	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Bromomethane	ND	3.0		µg/L	1	10/7/2011 6:41:43 AM
2-Butanone	ND	10		µg/L	1	10/7/2011 6:41:43 AM
Carbon disulfide	ND	10		µg/L	1	10/7/2011 6:41:43 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Chlorobenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Chloroethane	ND	2.0		µg/L	1	10/7/2011 6:41:43 AM
Chloroform	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Chloromethane	ND	3.0		µg/L	1	10/7/2011 6:41:43 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/7/2011 6:41:43 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Dibromomethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/7/2011 6:41:43 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/7/2011 6:41:43 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: TRIP BLANK
Lab Order: 1110269
Collection Date:
Project: 2011 Annual
Date Received: 10/5/2011
Lab ID: 1110269-05
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
2-Hexanone	ND	10		µg/L	1	10/7/2011 6:41:43 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/7/2011 6:41:43 AM
Methylene Chloride	ND	3.0		µg/L	1	10/7/2011 6:41:43 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Styrene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/7/2011 6:41:43 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/7/2011 6:41:43 AM
Vinyl chloride	ND	1.0		µg/L	1	10/7/2011 6:41:43 AM
Xylenes, Total	ND	1.5		µg/L	1	10/7/2011 6:41:43 AM
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%REC	1	10/7/2011 6:41:43 AM
Surr: 4-Bromofluorobenzene	97.2	73-131		%REC	1	10/7/2011 6:41:43 AM
Surr: Dibromofluoromethane	103	70-130		%REC	1	10/7/2011 6:41:43 AM
Surr: Toluene-d8	92.4	70-130		%REC	1	10/7/2011 6:41:43 AM

'ualifiers:

- 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: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-28806		*MBLK*				Batch ID:	**28806**	Analysis Date:	10/11/2011 11:25:48 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-28806		*LCS*				Batch ID:	**28806**	Analysis Date:	10/11/2011 11:28:42 AM		
Arsenic	0.5174	mg/L	0.020	0.5	0	103	85	115			
Barium	0.4964	mg/L	0.0020	0.5	0	99.3	85	115			
Cadmium	0.5009	mg/L	0.0020	0.5	0	100	85	115			
Chromium	0.4942	mg/L	0.0060	0.5	0	98.8	85	115			
Copper	0.4969	mg/L	0.0060	0.5	0	99.4	85	115			
Iron	0.4899	mg/L	0.020	0.5	0	98.0	85	115			
Lead	0.4900	mg/L	0.0050	0.5	0	98.0	85	115			
Manganese	0.4829	mg/L	0.0020	0.5	0	96.6	85	115			
Selenium	0.5041	mg/L	0.050	0.5	0	101	85	115			
Silver	0.09793	mg/L	0.0050	0.1	0	97.9	85	115			
Zinc	0.4831	mg/L	0.010	0.5	0.0004	96.5	85	115			

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

: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R48247**		Analysis Date:	10/6/2011 4:13:41 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R48365**		Analysis Date:	10/12/2011 4:45:52 PM		
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
ium	ND	mg/L	1.0								
n	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID: **R48458**		Analysis Date:	10/17/2011 12:09:23 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: **R48247**		Analysis Date:	10/6/2011 4:17:06 PM		
Barium	0.5024	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5072	mg/L	0.0020	0.5	0	101	85	115			
Calcium	51.08	mg/L	1.0	50	0	102	85	115			
Chromium	0.5001	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.4975	mg/L	0.0060	0.5	0.0007	99.4	85	115			
Lead	0.5050	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	51.22	mg/L	1.0	50	0	102	85	115			
Manganese	0.4862	mg/L	0.0020	0.5	0	97.2	85	115			
ium	49.18	mg/L	1.0	50	0	98.4	85	115			

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: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R48247**	Analysis Date:		10/6/2011 4:17:06 PM	
Silver	0.09756	mg/L	0.0050	0.1	0	97.6	85	115			
Sodium	50.01	mg/L	1.0	50	0	100	85	115			
Zinc	0.5133	mg/L	0.010	0.5	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48365**	Analysis Date:		10/12/2011 4:51:25 PM	
Cadmium	0.4977	mg/L	0.0020	0.5	0	99.5	85	115			
Calcium	49.42	mg/L	1.0	50	0	98.8	85	115			
Iron	0.4993	mg/L	0.020	0.5	0	99.9	85	115			
Lead	0.5041	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	48.89	mg/L	1.0	50	0	97.8	85	115			
Potassium	47.25	mg/L	1.0	50	0	94.5	85	115			
Sodium	47.40	mg/L	1.0	50	0	94.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48458**	Analysis Date:		10/17/2011 12:12:17 PM	
Barium	0.5252	mg/L	0.0020	0.5	0	105	85	115			
Cadmium	0.5241	mg/L	0.0020	0.5	0	105	85	115			
Calcium	49.92	mg/L	1.0	50	0	99.8	85	115			
Chromium	0.5230	mg/L	0.0060	0.5	0	105	85	115			
Copper	0.5412	mg/L	0.0060	0.5	0.0007	108	85	115			
Iron	0.5186	mg/L	0.020	0.5	0	104	85	115			
Lead	0.5126	mg/L	0.0050	0.5	0	103	85	115			
Magnesium	50.79	mg/L	1.0	50	0	102	85	115			
Manganese	0.5110	mg/L	0.0020	0.5	0	102	85	115			
Potassium	48.95	mg/L	1.0	50	0	97.9	85	115			
Silver	0.1016	mg/L	0.0050	0.1	0	102	85	115			
Sodium	50.08	mg/L	1.0	50	0	100	85	115			
Zinc	0.5085	mg/L	0.010	0.5	0	102	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48427**	Analysis Date:		10/14/2011 3:52:45 PM	
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48427**	Analysis Date:		10/14/2011 3:54:48 PM	
Arsenic	0.02393	mg/L	0.0010	0.025	0	95.7	85	115			
Selenium	0.02494	mg/L	0.0010	0.025	0	99.8	85	115			
Uranium	0.02382	mg/L	0.0010	0.025	0	95.3	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-28806		*MBLK*				Batch ID:	**28806**	Analysis Date:		10/14/2011 11:59:20 AM	
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								

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

Western Refining Southwest, Gallup
2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 245.1: Mercury											
Sample ID: MB-28767		*MBLK*				Batch ID:	**28767**	Analysis Date:		10/6/2011 2:19:30 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-28767		*LCS*				Batch ID:	**28767**	Analysis Date:		10/6/2011 2:21:17 PM	
Mercury	0.004965	mg/L	0.00020	0.005	4E-05	98.5	80	120			

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: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48235**	Analysis Date:	10/5/2011 5:48:51 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:21:14 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48269**	Analysis Date:	10/7/2011 5:03:29 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:13:54 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48369**	Analysis Date:	10/12/2011 9:51:53 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48235**	Analysis Date:	10/5/2011 6:06:16 PM		
Fluoride	0.5151	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.947	mg/L	0.50	5	0	98.9	90	110			
Bromide	2.511	mg/L	0.10	2.5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.510	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	5.058	mg/L	0.50	5	0	101	90	110			
Sulfate	9.918	mg/L	0.50	10	0	99.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:38:39 AM		
Fluoride	0.5194	mg/L	0.10	0.5	0	104	90	110			

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

Western Refining Southwest, Gallup
2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/6/2011 11:38:39 AM		
Chloride	4.999	mg/L	0.50	5	0	100	90	110			
Bromide	2.532	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.536	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.909	mg/L	0.50	5	0	98.2	90	110			
Sulfate	9.954	mg/L	0.50	10	0	99.5	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48269**	Analysis Date:	10/7/2011 5:20:54 AM		
Fluoride	0.4842	mg/L	0.10	0.5	0	96.8	90	110			
Chloride	5.026	mg/L	0.50	5	0	101	90	110			
Bromide	2.534	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.565	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.173	mg/L	0.50	5	0	103	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48330**	Analysis Date:	10/11/2011 11:31:19 AM		
Fluoride	0.4914	mg/L	0.10	0.5	0	98.3	90	110			
Chloride	4.723	mg/L	0.50	5	0	94.5	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.370	mg/L	0.20	3.5	0	96.3	90	110			
Phosphorus, Orthophosphate (As P)	4.738	mg/L	0.50	5	0	94.8	90	110			
	9.426	mg/L	0.50	10	0	94.3	90	110			
e ID: LCS		*LCS*				Batch ID:	**R48369**	Analysis Date:	10/12/2011 10:09:17 AM		
Fluoride	0.5007	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.879	mg/L	0.50	5	0	97.6	90	110			
Bromide	2.476	mg/L	0.10	2.5	0	99.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.493	mg/L	0.20	3.5	0	99.8	90	110			
Phosphorus, Orthophosphate (As P)	4.897	mg/L	0.50	5	0	97.9	90	110			
Sulfate	9.797	mg/L	0.50	10	0	98.0	90	110			

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: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1110269-01a msd		*MSD*				Batch ID: **R48253**		Analysis Date:		10/7/2011 1:50:51 AM	
Chlorobenzene	197.7	µg/L	10	200	3.3	97.2	74	122	3.68	13.9	
1,1-Dichloroethene	167.9	µg/L	10	200	0	84.0	69.3	123	11.5	16.7	
Trichloroethene (TCE)	190.1	µg/L	10	200	0	95.0	61.3	127	3.61	18	
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48253**		Analysis Date:		10/6/2011 11:49:17 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								

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

(: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48253**		Analysis Date: 10/6/2011 11:49:17 AM			
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2 4-Trichlorobenzene	ND	µg/L	1.0								
richloroethane	ND	µg/L	1.0								
richloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb-2		*MBLK*				Batch ID: **R48293**		Analysis Date: 10/7/2011 12:34:43 PM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
on disulfide	ND	µg/L	10								

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: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb-2		*MBLK*					**Batch ID: R48293**		**Analysis Date: 10/7/2011 12:34:43 PM**		
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								

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

C Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb-2		*MBLK*				Batch ID:	**R48293**	Analysis Date:	10/7/2011 12:34:43 PM		
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R48253**	Analysis Date:	10/6/2011 12:41:29 PM		
Benzene	22.00	µg/L	1.0	20	0	110	81.1	130			
Toluene	20.50	µg/L	1.0	20	0	102	82.3	122			
Chlorobenzene	20.30	µg/L	1.0	20	0	102	70	130			
1,1-Dichloroethene	20.18	µg/L	1.0	20	0	101	83.1	126			
Trichloroethene (TCE)	21.16	µg/L	1.0	20	0	106	67.4	137			
Sample ID: 100ng lcs-c		*LCS*				Batch ID:	**R48293**	Analysis Date:	10/7/2011 1:27:11 PM		
Benzene	22.48	µg/L	1.0	20	0	112	81.1	130			
Toluene	21.80	µg/L	1.0	20	0	109	82.3	122			
Chlorobenzene	21.02	µg/L	1.0	20	0	105	70	130			
1,1-Dichloroethene	21.01	µg/L	1.0	20	0	105	83.1	126			
Trichloroethene (TCE)	20.57	µg/L	1.0	20	0	103	67.4	137			
Sample ID: 1110269-01a ms		*MS*				Batch ID:	**R48253**	Analysis Date:	10/7/2011 1:24:53 AM		
Chlorobenzene	205.1	µg/L	10	200	3.3	101	74	122			
1,1-Dichloroethene	188.4	µg/L	10	200	0	94.2	69.3	123			
Trichloroethene (TCE)	197.1	µg/L	10	200	0	98.5	61.3	127			

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28765		*MBLK*				Batch ID:	**28765**	Analysis Date:	10/6/2011 5:39:15 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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QA/QC SUMMARY REPORT

t: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-28765		*MBLK*				Batch ID:	**28765**	Analysis Date:		10/6/2011 5:39:15 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
·ophenol	ND	µg/L	10								
achlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-28765		*LCS*				Batch ID:	**28765**	Analysis Date:		10/6/2011 6:08:14 PM	
Acenaphthene	73.80	µg/L	10	100	0	73.8	31.7	107			
4-Chloro-3-methylphenol	153.6	µg/L	10	200	0	76.8	24.4	123			
2-Chlorophenol	129.2	µg/L	10	200	0	64.6	24.7	104			
1,4-Dichlorobenzene	50.44	µg/L	10	100	0	50.4	20.3	95			
2,4-Dinitrotoluene	79.44	µg/L	10	100	0	79.4	22.4	106			
N-Nitrosodi-n-propylamine	64.72	µg/L	10	100	0	64.7	25.3	107			
4-Nitrophenol	96.66	µg/L	10	200	0	48.3	11.6	110			
Pentachlorophenol	138.2	µg/L	20	200	0	69.1	19.5	113			
Phenol	73.74	µg/L	10	200	0	36.9	16.1	69.3			
Pyrene	75.58	µg/L	10	100	0	75.6	38.3	99.3			
1,2,4-Trichlorobenzene	59.38	µg/L	10	100	0	59.4	25	97.3			
Sample ID: lcsd-28765		*LCSD*				Batch ID:	**28765**	Analysis Date:		10/6/2011 6:37:11 PM	
Acenaphthene	75.62	µg/L	10	100	0	75.6	31.7	107	2.44	20	
4-Chloro-3-methylphenol	160.0	µg/L	10	200	0	80.0	24.4	123	4.08	20	
2-Chlorophenol	138.4	µg/L	10	200	0	69.2	24.7	104	6.91	20	
Dichlorobenzene	54.04	µg/L	10	100	0	54.0	20.3	95	6.89	20	

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110269

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-28765		*LCSD*				Batch ID:	**28765**	Analysis Date:		10/6/2011 6:37:11 PM	
2,4-Dinitrotoluene	86.94	µg/L	10	100	0	86.9	22.4	106	9.02	20	
N-Nitrosodi-n-propylamine	68.00	µg/L	10	100	0	68.0	25.3	107	4.94	20	
4-Nitrophenol	104.0	µg/L	10	200	0	52.0	11.6	110	7.28	20	
Pentachlorophenol	149.6	µg/L	20	200	0	74.8	19.5	113	7.88	20	
Phenol	79.42	µg/L	10	200	0	39.7	16.1	69.3	7.42	20	
Pyrene	74.56	µg/L	10	100	0	74.6	38.3	99.3	1.36	20	
1,2,4-Trichlorobenzene	55.00	µg/L	10	100	0	55.0	25	97.3	7.66	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 10/5/2011

Work Order Number 1110269 | Received by: LNM

Checklist completed by: Signature 10/5/11 Date | Sample ID labels checked by: MG Initials

Matrix: | Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH: 12
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 ☐ 10/5/11	N/A ☐	(<2) >12 unless noted below.
Container/Temp Blank temperature?	3.6°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: ~~01E~~, 01E, 02E - ADDED 0.4 mL HNO_3 FOR ACCEPTABLE pH - 01D, 02D - ADDED 1mL HNO_3 FOR ACCEPTABLE pH - 10/5/11

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)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 2011 Annual

Project #: RW Wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.6

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. 1110926-	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) +MTBE	8270 (Semi-VOA) + Phenols	WDCC Methylo-Total	WDCC Methylo-Diss.	CATIONS/ANIONS		Air Bubbles (Y or N)
10-3-11	1300	AQ	RW-2	VARIOUS	VARIOUS	-1										X	X	X	X	X		
"	1540	"	RW-1	"	"	-2										"	"	"	"	"		
10-4-11	0850	"	RW-5	"	"	-3										"	"	"	"	"		
"	1002	"	RW-6	"	2	-4										"	"	"	"	"		
			TRIP BLANK	VOAHCl	HCl	-5										✓						

Remarks:

Date:	Time:	Relinquished by:	Received by:	Date	Time
10-4-11	1110				
Date:	Time:	Relinquished by:	Received by:	Date	Time
				10/5/11	930

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.

UPS

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, October 27, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual

Order No.: 1110491

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 10/10/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1110491	**Collection Date:**	10/6/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/10/2011
Lab ID:	1110491-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/17/2011 10:03:43 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/17/2011 10:03:43 PM
Surr: DNOP	118	81.1-147		%REC	1	10/17/2011 10:03:43 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/11/2011 1:54:01 PM
Surr: BFB	88.1	65.4-141		%REC	1	10/11/2011 1:54:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.64	0.10		mg/L	1	10/11/2011 8:54:37 AM
Chloride	47	10		mg/L	20	10/11/2011 9:12:02 AM
Bromide	0.11	0.10		mg/L	1	10/11/2011 8:54:37 AM
Nitrate (As N)+Nitrite (As N)	27	1.0		mg/L	5	10/19/2011 6:05:32 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/11/2011 8:54:37 AM
Sulfate	160	10		mg/L	20	10/11/2011 9:12:02 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.010	0.0020		mg/L	1	10/17/2011 5:59:53 PM
Cadmium	ND	0.0020		mg/L	1	10/17/2011 5:59:53 PM
Calcium	1.7	1.0		mg/L	1	10/17/2011 5:59:53 PM
Chromium	ND	0.0060		mg/L	1	10/17/2011 5:59:53 PM
Copper	ND	0.0060		mg/L	1	10/17/2011 5:59:53 PM
Iron	ND	0.020		mg/L	1	10/17/2011 5:59:53 PM
Lead	ND	0.0050		mg/L	1	10/17/2011 5:59:53 PM
Magnesium	ND	1.0		mg/L	1	10/17/2011 5:59:53 PM
Manganese	ND	0.0020		mg/L	1	10/17/2011 5:59:53 PM
Potassium	ND	1.0		mg/L	1	10/17/2011 5:59:53 PM
Silver	ND	0.0050		mg/L	1	10/17/2011 5:59:53 PM
Sodium	240	5.0		mg/L	5	10/17/2011 6:03:08 PM
Zinc	0.11	0.010		mg/L	1	10/17/2011 5:59:53 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.012	0.0020		mg/L	1	10/20/2011 1:38:33 PM
Cadmium	ND	0.0020		mg/L	1	10/20/2011 1:38:33 PM
Chromium	ND	0.0060		mg/L	1	10/20/2011 1:38:33 PM
Copper	ND	0.0060		mg/L	1	10/20/2011 1:38:33 PM
Iron	0.12	0.020		mg/L	1	10/20/2011 1:38:33 PM
Lead	ND	0.0050		mg/L	1	10/20/2011 1:38:33 PM
Manganese	0.010	0.0020		mg/L	1	10/20/2011 1:38:33 PM
Silver	ND	0.0050		mg/L	1	10/20/2011 1:38:33 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: *27-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1110491	**Collection Date:**	10/6/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/10/2011
Lab ID:	1110491-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Sodium	260	5.0		mg/L	5	10/20/2011 1:41:49 PM
Zinc	ND	0.010		mg/L	1	10/21/2011 1:16:12 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0020	0.0010		mg/L	1	10/24/2011 4:18:50 PM
Selenium	ND	0.0010		mg/L	1	10/24/2011 4:18:50 PM
Uranium	0.011	0.0010		mg/L	1	10/24/2011 4:18:50 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	10/21/2011 12:54:46 PM
Selenium	ND	0.0025		mg/L	2.5	10/21/2011 12:54:46 PM
Uranium	0.011	0.0025		mg/L	2.5	10/21/2011 12:54:46 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/13/2011 12:39:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Toluene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Ethylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Naphthalene	ND	2.0		µg/L	1	10/11/2011 6:57:57 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/11/2011 6:57:57 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/11/2011 6:57:57 AM
Acetone	ND	10		µg/L	1	10/11/2011 6:57:57 AM
Bromobenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Bromoform	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Bromomethane	ND	3.0		µg/L	1	10/11/2011 6:57:57 AM
2-Butanone	ND	10		µg/L	1	10/11/2011 6:57:57 AM
Carbon disulfide	ND	10		µg/L	1	10/11/2011 6:57:57 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Chlorobenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Chloroethane	ND	2.0		µg/L	1	10/11/2011 6:57:57 AM
Chloroform	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Chloromethane	ND	3.0		µg/L	1	10/11/2011 6:57:57 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
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- 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: *27-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1110491	**Collection Date:**	10/6/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/10/2011
Lab ID:	1110491-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Chlorotoluene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/11/2011 6:57:57 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Dibromomethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/11/2011 6:57:57 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
2-Hexanone	ND	10		µg/L	1	10/11/2011 6:57:57 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/11/2011 6:57:57 AM
Methylene Chloride	ND	3.0		µg/L	1	10/11/2011 6:57:57 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Styrene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/11/2011 6:57:57 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/11/2011 6:57:57 AM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *27-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1110491	**Collection Date:**	10/6/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/10/2011
Lab ID:	1110491-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Vinyl chloride	ND	1.0		µg/L	1	10/11/2011 6:57:57 AM
Xylenes, Total	ND	1.5		µg/L	1	10/11/2011 6:57:57 AM
Surr: 1,2-Dichloroethane-d4	91.2	70-130		%REC	1	10/11/2011 6:57:57 AM
Surr: 4-Bromofluorobenzene	99.5	73-131		%REC	1	10/11/2011 6:57:57 AM
Surr: Dibromofluoromethane	98.0	70-130		%REC	1	10/11/2011 6:57:57 AM
Surr: Toluene-d8	93.9	70-130		%REC	1	10/11/2011 6:57:57 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
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: *27-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1110491	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/10/2011
Lab ID:	1110491-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/11/2011 2:51:39 PM
Surr: BFB	91.2	65.4-141		%REC	1	10/11/2011 2:51:39 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Toluene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Ethylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Naphthalene	ND	2.0		µg/L	1	10/11/2011 7:53:23 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/11/2011 7:53:23 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/11/2011 7:53:23 AM
Acetone	ND	10		µg/L	1	10/11/2011 7:53:23 AM
Bromobenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Bromoform	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Bromomethane	ND	3.0		µg/L	1	10/11/2011 7:53:23 AM
2-Butanone	ND	10		µg/L	1	10/11/2011 7:53:23 AM
Carbon disulfide	ND	10		µg/L	1	10/11/2011 7:53:23 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Chlorobenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Chloroethane	ND	2.0		µg/L	1	10/11/2011 7:53:23 AM
Chloroform	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Chloromethane	ND	3.0		µg/L	1	10/11/2011 7:53:23 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/11/2011 7:53:23 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Dibromomethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/11/2011 7:53:23 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Iall Environmental Analysis Laboratory, Inc.

Date: *27-Oct-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1110491	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/10/2011
Lab ID:	1110491-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,2-Dichloropropane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/11/2011 7:53:23 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
2-Hexanone	ND	10		µg/L	1	10/11/2011 7:53:23 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/11/2011 7:53:23 AM
Methylene Chloride	ND	3.0		µg/L	1	10/11/2011 7:53:23 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Styrene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/11/2011 7:53:23 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/11/2011 7:53:23 AM
Vinyl chloride	ND	1.0		µg/L	1	10/11/2011 7:53:23 AM
Xylenes, Total	ND	1.5		µg/L	1	10/11/2011 7:53:23 AM
Surr: 1,2-Dichloroethane-d4	90.7	70-130		%REC	1	10/11/2011 7:53:23 AM
Surr: 4-Bromofluorobenzene	98.4	73-131		%REC	1	10/11/2011 7:53:23 AM
Surr: Dibromofluoromethane	95.0	70-130		%REC	1	10/11/2011 7:53:23 AM
Surr: Toluene-d8	93.4	70-130		%REC	1	10/11/2011 7:53:23 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
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: 2011 Annual **Work Order:** 1110491

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-28876		*MBLK*				**Batch ID:**	**28876**	**Analysis Date:**	10/19/2011 5:29:43 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-28876		*LCS*				**Batch ID:**	**28876**	**Analysis Date:**	10/19/2011 5:32:33 PM		
Arsenic	0.5042	mg/L	0.020	0.5	0	101	85	115			
Barium	0.4957	mg/L	0.0020	0.5	0	99.1	85	115			
Cadmium	0.5190	mg/L	0.0020	0.5	0	104	85	115			
Chromium	0.4913	mg/L	0.0060	0.5	0	98.3	85	115			
Copper	0.5426	mg/L	0.0060	0.5	0.0025	108	85	115			
Iron	0.4831	mg/L	0.020	0.5	0	96.6	85	115			
Lead	0.4753	mg/L	0.0050	0.5	0	95.1	85	115			
Manganese	0.4871	mg/L	0.0020	0.5	0	97.4	85	115			
Selenium	0.5343	mg/L	0.050	0.5	0	107	85	115			
Silver	0.09191	mg/L	0.0050	0.1	0	91.9	85	115			
Sodium	53.80	mg/L	1.0	50	0	108	85	115			
Zinc	0.4571	mg/L	0.010	0.5	0	91.4	85	115			

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

C Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110491

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48468**	Analysis Date:	10/17/2011 3:54:20 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R48468**	Analysis Date:	10/17/2011 3:58:51 PM		
Barium	0.5093	mg/L	0.0020	0.5	0	102	85	115			
Cadmium	0.5171	mg/L	0.0020	0.5	0	103	85	115			
Calcium	49.31	mg/L	1.0	50	0	98.6	85	115			
Chromium	0.5080	mg/L	0.0060	0.5	0.0004	102	85	115			
Copper	0.5126	mg/L	0.0060	0.5	0	103	85	115			
Iron	0.5101	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5069	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	50.16	mg/L	1.0	50	0	100	85	115			
Manganese	0.4966	mg/L	0.0020	0.5	0	99.3	85	115			
Potassium	48.22	mg/L	1.0	50	0	96.4	85	115			
Silver	0.09868	mg/L	0.0050	0.1	0	98.7	85	115			
Sodium	49.08	mg/L	1.0	50	0	98.2	85	115			
Zinc	0.5034	mg/L	0.010	0.5	0	101	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48633**	Analysis Date:	10/24/2011 4:12:46 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48633**	Analysis Date:	10/24/2011 4:14:48 PM		
Arsenic	0.02732	mg/L	0.0010	0.025	0	109	85	115			
Selenium	0.02908	mg/L	0.0010	0.025	0	116	85	115			S
Uranium	0.02574	mg/L	0.0010	0.025	0	103	85	115			

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: 2011 Annual **Work Order:** 1110491

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-28876		*MBLK*				Batch ID:	**28876**	Analysis Date:	10/21/2011 11:47:33 AM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48633**	Analysis Date:	10/24/2011 4:12:46 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48633**	Analysis Date:	10/24/2011 4:14:48 PM		
Arsenic	0.02732	mg/L	0.0010	0.025	0	109	85	115			
Selenium	0.02908	mg/L	0.0010	0.025	0	116	85	115			S
Uranium	0.02574	mg/L	0.0010	0.025	0	103	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-28879		*MBLK*				Batch ID:	**28879**	Analysis Date:	10/13/2011 12:10:16 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-28879		*LCS*				Batch ID:	**28879**	Analysis Date:	10/13/2011 12:11:59 PM		
Mercury	0.004474	mg/L	0.00020	0.005	0	89.5	80	120			

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

C. Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110491

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1110491-01EMSD		*MSD*				Batch ID: **R48311**		Analysis Date: 10/11/2011 10:21:41 AM			
Fluoride	1.216	mg/L	0.10	0.5	0.6358	116	71.7	114	1.72	20	S
Bromide	2.543	mg/L	0.10	2.5	0.1088	97.4	82	112	1.84	20	
Sample ID: MB		*MBLK*				Batch ID: **R48311**		Analysis Date: 10/10/2011 11:37:22 PM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R48502**		Analysis Date: 10/18/2011 10:39:05 AM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R48311**		Analysis Date: 10/10/2011 11:54:47 PM			
Fluoride	0.5244	mg/L	0.10	0.5	0	105	90	110			
C[illegible]	4.890	mg/L	0.50	5	0	97.8	90	110			
Br[illegible]e	2.455	mg/L	0.10	2.5	0	98.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.517	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.841	mg/L	0.50	5	0	96.8	90	110			
Sulfate	9.794	mg/L	0.50	10	0	97.9	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R48502**		Analysis Date: 10/18/2011 10:56:29 AM			
Fluoride	0.4893	mg/L	0.10	0.5	0	97.9	90	110			
Chloride	5.063	mg/L	0.50	5	0	101	90	110			
Bromide	2.489	mg/L	0.10	2.5	0	99.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.541	mg/L	0.20	3.5	0	101	90	110			
Sulfate	10.02	mg/L	0.50	10	0	100	90	110			
Sample ID: 1110491-01EMS		*MS*				Batch ID: **R48311**		Analysis Date: 10/11/2011 10:04:16 AM			
Fluoride	1.195	mg/L	0.10	0.5	0.6358	112	71.7	114			
Bromide	2.497	mg/L	0.10	2.5	0.1088	95.5	82	112			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28878		*MBLK*				Batch ID: **28878**		Analysis Date: 10/17/2011 8:22:21 PM			
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28878		*LCS*				Batch ID: **28878**		Analysis Date: 10/17/2011 8:56:13 PM			
Diesel Range Organics (DRO)	5.246	mg/L	1.0	5	0	105	74	157			
Sample ID: LCSD-28878		*LCSD*				Batch ID: **28878**		Analysis Date: 10/17/2011 9:30:05 PM			
Diesel Range Organics (DRO)	5.152	mg/L	1.0	5	0	103	74	157	1.81	23	

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: 2011 Annual **Work Order:** 1110491

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48345**	Analysis Date:		10/11/2011 11:00:42 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48345**	Analysis Date:		10/11/2011 12:27:26 PM	
Gasoline Range Organics (GRO)	0.5568	mg/L	0.050	0.5	0	111	92.1	117			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R48345**	Analysis Date:		10/11/2011 12:56:21 PM	
Gasoline Range Organics (GRO)	0.5686	mg/L	0.050	0.5	0	114	92.1	117	2.10	16.1	

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: 2011 Annual **Work Order:** 1110491

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48319**		Analysis Date: 10/10/2011 10:32:17 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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: 2011 Annual **Work Order:** 1110491

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48319**	Analysis Date:	10/10/2011 10:32:17 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R48319**	Analysis Date:	10/10/2011 2:16:07 PM		
Benzene	22.58	µg/L	1.0	20	0	113	81.1	130			
Toluene	20.29	µg/L	1.0	20	0	101	82.3	122			
Chlorobenzene	19.67	µg/L	1.0	20	0	98.3	70	130			
1,1-Dichloroethene	21.39	µg/L	1.0	20	0	107	83.1	126			
Trichloroethene (TCE)	20.49	µg/L	1.0	20	0	102	67.4	137			

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: 10/10/2011

Work Order Number 1110491 | Received by: AMF

Checklist completed by: Signature 10/10/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
r - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	2.3°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 2

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added .4mL HNO3 to -010 for acceptable pH. MG 10/10/11

#6 DID NOT RECEIVE FIELD BLANK. 10/10/11

ective 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)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2011 Annual

Project #: MW-1

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1110490	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) + MT BTEX	8270 (Semi-VOA)					Air Bubbles (Y or N)
10/6/11	1120	AQ	MW-1	VARIOUS	VARIOUS	-1			X							X		X	WQCC Metals Total	X	WQCC Metals Diss.	X	Cations / Anions		
			~~Field Blank~~	1	1	~~-2~~																		
			TRIP BLANK	VOA HCl	HCl	~~-3-2~~																		
						10/10/11																		

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/6/11	1330			10/10/11	1330
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If neces... samples submitted to Hall Environmental may be subcontracted to other accredited laboratories ...erves as notice of this possibility. Any sub-contracted data will be clearly notated on the analy... ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, November 08, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual

Order No.: 1110672

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 10/13/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1110672	**Collection Date:**	10/10/2011 9:24:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/21/2011 4:24:24 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/21/2011 4:24:24 AM
Surr: DNOP	117	81.1-147		%REC	1	10/21/2011 4:24:24 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/17/2011 6:02:34 PM
Surr: BFB	91.3	65.4-141		%REC	1	10/17/2011 6:02:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.1	0.10		mg/L	1	10/13/2011 6:10:55 PM
Chloride	58	10		mg/L	20	10/13/2011 6:28:19 PM
Bromide	0.20	0.10		mg/L	1	10/13/2011 6:10:55 PM
Nitrate (As N)+Nitrite (As N)	1.3	1.0		mg/L	5	10/22/2011 2:20:41 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/13/2011 6:10:55 PM
Sulfate	170	10		mg/L	20	10/13/2011 6:28:19 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.020	0.0020		mg/L	1	10/24/2011 2:02:56 PM
Cadmium	ND	0.0020		mg/L	1	10/24/2011 2:02:56 PM
Calcium	4.2	1.0		mg/L	1	10/26/2011 2:20:08 PM
Chromium	0.0092	0.0060		mg/L	1	10/24/2011 2:02:56 PM
Copper	ND	0.0060		mg/L	1	10/24/2011 2:02:56 PM
Iron	0.035	0.020		mg/L	1	10/26/2011 2:20:08 PM
Lead	ND	0.0050		mg/L	1	10/24/2011 2:02:56 PM
Magnesium	1.2	1.0		mg/L	1	10/26/2011 2:20:08 PM
Manganese	0.0041	0.0020		mg/L	1	10/24/2011 2:02:56 PM
Potassium	ND	1.0		mg/L	1	10/26/2011 2:20:08 PM
Silver	ND	0.0050		mg/L	1	10/24/2011 2:02:56 PM
Sodium	300	5.0		mg/L	5	10/26/2011 2:23:25 PM
Zinc	0.13	0.010		mg/L	1	10/24/2011 2:02:56 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.037	0.0020		mg/L	1	10/19/2011 8:16:29 AM
Cadmium	ND	0.0020		mg/L	1	10/19/2011 8:16:29 AM
Chromium	0.058	0.0060		mg/L	1	10/19/2011 8:16:29 AM
Copper	ND	0.0060		mg/L	1	10/19/2011 8:16:29 AM
Iron	0.94	0.020		mg/L	1	10/19/2011 8:16:29 AM
Lead	ND	0.0050		mg/L	1	10/19/2011 8:16:29 AM
Manganese	0.029	0.0020		mg/L	1	10/19/2011 8:16:29 AM
Silver	ND	0.0050		mg/L	1	10/19/2011 8:16:29 AM

Qualifiers:

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- 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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1110672	**Collection Date:**	10/10/2011 9:24:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Sodium	300	5.0		mg/L	5	10/21/2011 1:27:44 PM
Zinc	0.012	0.010		mg/L	1	10/19/2011 8:16:29 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0030	0.0010		mg/L	1	10/28/2011 1:30:33 PM
Selenium	0.0011	0.0010		mg/L	1	10/28/2011 1:30:33 PM
Uranium	0.032	0.0050		mg/L	5	10/31/2011 12:44:09 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0029	0.0025		mg/L	2.5	10/27/2011 2:04:38 PM
Selenium	ND	0.0025		mg/L	2.5	10/27/2011 2:04:38 PM
Uranium	0.037	0.0025		mg/L	2.5	10/27/2011 2:04:38 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/26/2011 12:44:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Toluene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Ethylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Naphthalene	ND	2.0		µg/L	1	10/17/2011 7:56:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 7:56:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 7:56:38 PM
Acetone	ND	10		µg/L	1	10/17/2011 7:56:38 PM
Bromobenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Bromoform	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Bromomethane	ND	3.0		µg/L	1	10/17/2011 7:56:38 PM
2-Butanone	ND	10		µg/L	1	10/17/2011 7:56:38 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2011 7:56:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Chlorobenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Chloroethane	ND	2.0		µg/L	1	10/17/2011 7:56:38 PM
Chloroform	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Chloromethane	ND	3.0		µg/L	1	10/17/2011 7:56:38 PM

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- 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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1110672	**Collection Date:**	10/10/2011 9:24:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/17/2011 7:56:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Dibromomethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/17/2011 7:56:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
2-Hexanone	ND	10		µg/L	1	10/17/2011 7:56:38 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2011 7:56:38 PM
Methylene Chloride	ND	3.0		µg/L	1	10/17/2011 7:56:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Styrene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/17/2011 7:56:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/17/2011 7:56:38 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
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: *08-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1110672	**Collection Date:**	10/10/2011 9:24:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Vinyl chloride	ND	1.0		µg/L	1	10/17/2011 7:56:38 PM
Xylenes, Total	ND	1.5		µg/L	1	10/17/2011 7:56:38 PM
Surr: 1,2-Dichloroethane-d4	100	70-130		%REC	1	10/17/2011 7:56:38 PM
Surr: 4-Bromofluorobenzene	116	73-131		%REC	1	10/17/2011 7:56:38 PM
Surr: Dibromofluoromethane	98.0	70-130		%REC	1	10/17/2011 7:56:38 PM
Surr: Toluene-d8	103	70-130		%REC	1	10/17/2011 7:56:38 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
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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-2
Lab Order:	1110672	**Collection Date:**	10/10/2011 12:14:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/21/2011 4:54:46 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/21/2011 4:54:46 AM
Surr: DNOP	117	81.1-147		%REC	1	10/21/2011 4:54:46 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/17/2011 7:00:12 PM
Surr: BFB	92.6	65.4-141		%REC	1	10/17/2011 7:00:12 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.79	0.10		mg/L	1	10/13/2011 5:53:30 PM
Chloride	52	10		mg/L	20	10/13/2011 5:01:15 PM
Bromide	0.12	0.10		mg/L	1	10/13/2011 5:53:30 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/22/2011 2:03:17 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/13/2011 5:53:30 PM
Sulfate	160	10		mg/L	20	10/13/2011 5:01:15 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.019	0.0020		mg/L	1	10/24/2011 2:09:21 PM
Cadmium	ND	0.0020		mg/L	1	10/24/2011 2:09:21 PM
Calcium	1.4	1.0		mg/L	1	10/26/2011 2:26:25 PM
Chromium	ND	0.0060		mg/L	1	10/24/2011 2:09:21 PM
Copper	ND	0.0060		mg/L	1	10/24/2011 2:09:21 PM
Iron	ND	0.020		mg/L	1	10/26/2011 2:26:25 PM
Lead	ND	0.0050		mg/L	1	10/24/2011 2:09:21 PM
Magnesium	ND	1.0		mg/L	1	10/26/2011 2:26:25 PM
Manganese	0.0070	0.0020		mg/L	1	10/24/2011 2:09:21 PM
Potassium	ND	1.0		mg/L	1	10/26/2011 2:26:25 PM
Silver	ND	0.0050		mg/L	1	10/24/2011 2:09:21 PM
Sodium	260	5.0		mg/L	5	10/26/2011 2:29:44 PM
Zinc	ND	0.010		mg/L	1	10/24/2011 2:09:21 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.020	0.0020		mg/L	1	10/19/2011 8:19:08 AM
Cadmium	ND	0.0020		mg/L	1	10/19/2011 8:19:08 AM
Chromium	ND	0.0060		mg/L	1	10/19/2011 8:19:08 AM
Copper	ND	0.0060		mg/L	1	10/19/2011 8:19:08 AM
Iron	ND	0.020		mg/L	1	10/19/2011 8:19:08 AM
Lead	ND	0.0050		mg/L	1	10/19/2011 8:19:08 AM
Manganese	0.0080	0.0020		mg/L	1	10/19/2011 8:19:08 AM
Silver	ND	0.0050		mg/L	1	10/19/2011 8:19:08 AM

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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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-2
Lab Order:	1110672	**Collection Date:**	10/10/2011 12:14:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Sodium	250	5.0		mg/L	5	10/21/2011 1:30:52 PM
Zinc	ND	0.010		mg/L	1	10/19/2011 8:19:08 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	10/28/2011 1:38:43 PM
Selenium	ND	0.0010		mg/L	1	10/28/2011 1:38:43 PM
Uranium	0.0093	0.0010		mg/L	1	10/28/2011 1:38:43 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	10/27/2011 2:06:39 PM
Selenium	ND	0.0025		mg/L	2.5	10/27/2011 2:06:39 PM
Uranium	0.0096	0.0025		mg/L	2.5	10/27/2011 2:06:39 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/26/2011 12:50:17 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Toluene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Ethylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Naphthalene	ND	2.0		µg/L	1	10/17/2011 8:25:11 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 8:25:11 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 8:25:11 PM
Acetone	ND	10		µg/L	1	10/17/2011 8:25:11 PM
Bromobenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Bromoform	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Bromomethane	ND	3.0		µg/L	1	10/17/2011 8:25:11 PM
2-Butanone	ND	10		µg/L	1	10/17/2011 8:25:11 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2011 8:25:11 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Chlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Chloroethane	ND	2.0		µg/L	1	10/17/2011 8:25:11 PM
Chloroform	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Chloromethane	ND	3.0		µg/L	1	10/17/2011 8:25:11 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
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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-2
Lab Order:	1110672	**Collection Date:**	10/10/2011 12:14:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/17/2011 8:25:11 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Dibromomethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/17/2011 8:25:11 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
2-Hexanone	ND	10		µg/L	1	10/17/2011 8:25:11 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2011 8:25:11 PM
Methylene Chloride	ND	3.0		µg/L	1	10/17/2011 8:25:11 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Styrene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/17/2011 8:25:11 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/17/2011 8:25:11 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-2
Lab Order:	1110672	**Collection Date:**	10/10/2011 12:14:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Vinyl chloride	ND	1.0		µg/L	1	10/17/2011 8:25:11 PM
Xylenes, Total	ND	1.5		µg/L	1	10/17/2011 8:25:11 PM
Surr: 1,2-Dichloroethane-d4	105	70-130		%REC	1	10/17/2011 8:25:11 PM
Surr: 4-Bromofluorobenzene	115	73-131		%REC	1	10/17/2011 8:25:11 PM
Surr: Dibromofluoromethane	104	70-130		%REC	1	10/17/2011 8:25:11 PM
Surr: Toluene-d8	103	70-130		%REC	1	10/17/2011 8:25:11 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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1110672	**Collection Date:**	10/10/2011 2:36:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/21/2011 5:25:03 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/21/2011 5:25:03 AM
Surr: DNOP	117	81.1-147		%REC	1	10/21/2011 5:25:03 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/17/2011 7:29:03 PM
Surr: BFB	90.8	65.4-141		%REC	1	10/17/2011 7:29:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.79	0.10		mg/L	1	10/13/2011 4:26:26 PM
Chloride	59	10		mg/L	20	10/13/2011 4:43:51 PM
Bromide	0.11	0.10		mg/L	1	10/13/2011 4:26:26 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/22/2011 1:45:52 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/13/2011 4:26:26 PM
Sulfate	170	10		mg/L	20	10/13/2011 4:43:51 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.016	0.0020		mg/L	1	10/24/2011 2:15:48 PM
Cadmium	ND	0.0020		mg/L	1	10/24/2011 2:15:48 PM
Calcium	1.4	1.0		mg/L	1	10/26/2011 2:43:33 PM
Chromium	ND	0.0060		mg/L	1	10/24/2011 2:15:48 PM
Copper	ND	0.0060		mg/L	1	10/24/2011 2:15:48 PM
Iron	ND	0.020		mg/L	1	10/26/2011 2:43:33 PM
Lead	ND	0.0050		mg/L	1	10/24/2011 2:15:48 PM
Magnesium	ND	1.0		mg/L	1	10/26/2011 2:43:33 PM
Manganese	0.0044	0.0020		mg/L	1	10/24/2011 2:15:48 PM
Potassium	ND	1.0		mg/L	1	10/26/2011 2:43:33 PM
Silver	ND	0.0050		mg/L	1	10/24/2011 2:15:48 PM
Sodium	270	5.0		mg/L	5	10/26/2011 2:46:53 PM
Zinc	0.12	0.010		mg/L	1	10/24/2011 2:15:48 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.024	0.0020		mg/L	1	10/19/2011 8:22:27 AM
Cadmium	ND	0.0020		mg/L	1	10/19/2011 8:22:27 AM
Chromium	ND	0.0060		mg/L	1	10/19/2011 8:22:27 AM
Copper	ND	0.0060		mg/L	1	10/19/2011 8:22:27 AM
Iron	ND	0.020		mg/L	1	10/19/2011 8:22:27 AM
Lead	ND	0.0050		mg/L	1	10/19/2011 8:22:27 AM
Manganese	0.0043	0.0020		mg/L	1	10/19/2011 8:22:27 AM
Silver	ND	0.0050		mg/L	1	10/19/2011 8:22:27 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
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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1110672	**Collection Date:**	10/10/2011 2:36:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Sodium	250	5.0		mg/L	5	10/21/2011 1:33:58 PM
Zinc	ND	0.010		mg/L	1	10/19/2011 8:22:27 AM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0011	0.0010		mg/L	1	10/28/2011 1:42:48 PM
Selenium	ND	0.0010		mg/L	1	10/28/2011 1:42:48 PM
Uranium	0.0095	0.0010		mg/L	1	10/28/2011 1:42:48 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	10/27/2011 2:08:40 PM
Selenium	ND	0.0025		mg/L	2.5	10/27/2011 2:08:40 PM
Uranium	0.0097	0.0025		mg/L	2.5	10/27/2011 2:08:40 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/26/2011 12:52:02 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Toluene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Ethylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Naphthalene	ND	2.0		µg/L	1	10/17/2011 8:53:39 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 8:53:39 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 8:53:39 PM
Acetone	ND	10		µg/L	1	10/17/2011 8:53:39 PM
Bromobenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Bromoform	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Bromomethane	ND	3.0		µg/L	1	10/17/2011 8:53:39 PM
2-Butanone	ND	10		µg/L	1	10/17/2011 8:53:39 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2011 8:53:39 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Chlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Chloroethane	ND	2.0		µg/L	1	10/17/2011 8:53:39 PM
Chloroform	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Chloromethane	ND	3.0		µg/L	1	10/17/2011 8:53:39 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
- 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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1110672	**Collection Date:**	10/10/2011 2:36:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/17/2011 8:53:39 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Dibromomethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/17/2011 8:53:39 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
2-Hexanone	ND	10		µg/L	1	10/17/2011 8:53:39 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2011 8:53:39 PM
Methylene Chloride	ND	3.0		µg/L	1	10/17/2011 8:53:39 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Styrene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/17/2011 8:53:39 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/17/2011 8:53:39 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: *08-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1110672	**Collection Date:**	10/10/2011 2:36:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Vinyl chloride	ND	1.0		µg/L	1	10/17/2011 8:53:39 PM
Xylenes, Total	ND	1.5		µg/L	1	10/17/2011 8:53:39 PM
Surr: 1,2-Dichloroethane-d4	100	70-130		%REC	1	10/17/2011 8:53:39 PM
Surr: 4-Bromofluorobenzene	116	73-131		%REC	1	10/17/2011 8:53:39 PM
Surr: Dibromofluoromethane	98.4	70-130		%REC	1	10/17/2011 8:53:39 PM
Surr: Toluene-d8	99.4	70-130		%REC	1	10/17/2011 8:53:39 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
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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1110672	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Toluene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Ethylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Naphthalene	ND	2.0		µg/L	1	10/17/2011 9:21:53 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 9:21:53 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 9:21:53 PM
Acetone	ND	10		µg/L	1	10/17/2011 9:21:53 PM
Bromobenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Bromoform	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Bromomethane	ND	3.0		µg/L	1	10/17/2011 9:21:53 PM
2-Butanone	ND	10		µg/L	1	10/17/2011 9:21:53 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2011 9:21:53 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Chlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Chloroethane	ND	2.0		µg/L	1	10/17/2011 9:21:53 PM
Chloroform	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Chloromethane	ND	3.0		µg/L	1	10/17/2011 9:21:53 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/17/2011 9:21:53 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Dibromomethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/17/2011 9:21:53 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 9:21:53 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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1110672	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
2-Hexanone	ND	10		µg/L	1	10/17/2011 9:21:53 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2011 9:21:53 PM
Methylene Chloride	ND	3.0		µg/L	1	10/17/2011 9:21:53 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Styrene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/17/2011 9:21:53 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/17/2011 9:21:53 PM
Vinyl chloride	ND	1.0		µg/L	1	10/17/2011 9:21:53 PM
Xylenes, Total	ND	1.5		µg/L	1	10/17/2011 9:21:53 PM
Surr: 1,2-Dichloroethane-d4	97.9	70-130		%REC	1	10/17/2011 9:21:53 PM
Surr: 4-Bromofluorobenzene	117	73-131		%REC	1	10/17/2011 9:21:53 PM
Surr: Dibromofluoromethane	99.7	70-130		%REC	1	10/17/2011 9:21:53 PM
Surr: Toluene-d8	104	70-130		%REC	1	10/17/2011 9:21:53 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: *08-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110672	**Collection Date:**	10/10/2011 9:00:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Toluene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Ethylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Naphthalene	ND	2.0		µg/L	1	10/17/2011 9:50:15 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 9:50:15 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/17/2011 9:50:15 PM
Acetone	ND	10		µg/L	1	10/17/2011 9:50:15 PM
Bromobenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Bromoform	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Bromomethane	ND	3.0		µg/L	1	10/17/2011 9:50:15 PM
2-Butanone	ND	10		µg/L	1	10/17/2011 9:50:15 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2011 9:50:15 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Chlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Chloroethane	ND	2.0		µg/L	1	10/17/2011 9:50:15 PM
Chloroform	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Chloromethane	ND	3.0		µg/L	1	10/17/2011 9:50:15 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/17/2011 9:50:15 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Dibromomethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/17/2011 9:50:15 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 9:50:15 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: *08-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110672	**Collection Date:**	10/10/2011 9:00:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110672-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
2-Hexanone	ND	10		µg/L	1	10/17/2011 9:50:15 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2011 9:50:15 PM
Methylene Chloride	ND	3.0		µg/L	1	10/17/2011 9:50:15 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Styrene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/17/2011 9:50:15 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/17/2011 9:50:15 PM
Vinyl chloride	ND	1.0		µg/L	1	10/17/2011 9:50:15 PM
Xylenes, Total	ND	1.5		µg/L	1	10/17/2011 9:50:15 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%REC	1	10/17/2011 9:50:15 PM
Surr: 4-Bromofluorobenzene	119	73-131		%REC	1	10/17/2011 9:50:15 PM
Surr: Dibromofluoromethane	95.9	70-130		%REC	1	10/17/2011 9:50:15 PM
Surr: Toluene-d8	100	70-130		%REC	1	10/17/2011 9:50:15 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Metals**											
Sample ID: **MB-28946**		*MBLK*				**Batch ID:**	**28946**	**Analysis Date:**	10/19/2011 7:22:10 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **MB**		*MBLK*				**Batch ID:**	**R48667**	**Analysis Date:**	10/26/2011 12:16:29 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **LCS-28946**		*LCS*				**Batch ID:**	**28946**	**Analysis Date:**	10/19/2011 7:25:04 AM		
Arsenic	0.5528	mg/L	0.020	0.5	0	111	85	115			
Barium	0.5240	mg/L	0.0020	0.5	0	105	85	115			
Cadmium	0.5344	mg/L	0.0020	0.5	0	107	85	115			
Chromium	0.5184	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5324	mg/L	0.0060	0.5	0	106	85	115			
Iron	0.5139	mg/L	0.020	0.5	0	103	85	115			
Lead	0.5278	mg/L	0.0050	0.5	0	106	85	115			
Manganese	0.5119	mg/L	0.0020	0.5	0	102	85	115			
Selenium	0.5561	mg/L	0.050	0.5	0	111	85	115			
Silver	0.09063	mg/L	0.0050	0.1	0	90.6	85	115			
Sodium	52.56	mg/L	1.0	50	0	105	85	115			
Zinc	0.5139	mg/L	0.010	0.5	0	103	85	115			
Sample ID: **LCS**		*LCS*				**Batch ID:**	**R48667**	**Analysis Date:**	10/26/2011 12:19:26 PM		
Barium	0.5040	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5216	mg/L	0.0020	0.5	0	104	85	115			
Calcium	49.85	mg/L	1.0	50	0	99.7	85	115			
Chromium	0.5036	mg/L	0.0060	0.5	0	101	85	115			

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: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R48667**	Analysis Date:	10/26/2011 12:19:26 PM		
Copper	0.5016	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4981	mg/L	0.020	0.5	0	99.6	85	115			
Lead	0.5022	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	51.14	mg/L	1.0	50	0	102	85	115			
Manganese	0.4894	mg/L	0.0020	0.5	0	97.9	85	115			
Potassium	49.10	mg/L	1.0	50	0	98.2	85	115			
Silver	0.1028	mg/L	0.0050	0.1	0	103	85	115			
Sodium	50.00	mg/L	1.0	50	0	100	85	115			
Zinc	0.4986	mg/L	0.010	0.5	0	99.7	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R48629**		Analysis Date: 10/24/2011 1:22:53 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R48667**		Analysis Date: 10/26/2011 12:16:29 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: **R48629**		Analysis Date: 10/24/2011 1:25:48 PM			
Barium	0.5161	mg/L	0.0020	0.5	0	103	85	115			
Cadmium	0.5229	mg/L	0.0020	0.5	0	105	85	115			
Chromium	0.5200	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5175	mg/L	0.0060	0.5	0	104	85	115			
Iron	0.4811	mg/L	0.020	0.5	0	96.2	85	115			
Lead	0.5044	mg/L	0.0050	0.5	0	101	85	115			
Manganese	0.5018	mg/L	0.0020	0.5	0	100	85	115			
Silver	0.09780	mg/L	0.0050	0.1	0	97.8	85	115			
Zinc	0.5052	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS		*LCS*				Batch ID: **R48667**		Analysis Date: 10/26/2011 12:19:26 PM			
Barium	0.5040	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5216	mg/L	0.0020	0.5	0	104	85	115			
Calcium	49.85	mg/L	1.0	50	0	99.7	85	115			
Chromium	0.5036	mg/L	0.0060	0.5	0	101	85	115			
Copper	0.5016	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4981	mg/L	0.020	0.5	0	99.6	85	115			
Lead	0.5022	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	51.14	mg/L	1.0	50	0	102	85	115			
Manganese	0.4894	mg/L	0.0020	0.5	0	97.9	85	115			
Potassium	49.10	mg/L	1.0	50	0	98.2	85	115			

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
ect: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R48667**	Analysis Date:	10/26/2011 12:19:26 PM		
Silver	0.1028	mg/L	0.0050	0.1	0	103	85	115			
Sodium	50.00	mg/L	1.0	50	0	100	85	115			
Zinc	0.4986	mg/L	0.010	0.5	0	99.7	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:18:15 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48763**	Analysis Date:	10/31/2011 12:35:57 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:22:22 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02858	mg/L	0.0010	0.025	0	114	85	115			
Uranium	0.02608	mg/L	0.0010	0.025	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48763**	Analysis Date:	10/31/2011 12:40:04 PM		
Arsenic	0.02455	mg/L	0.0010	0.025	0	98.2	85	115			
'um	0.02634	mg/L	0.0010	0.025	0	105	85	115			
.m	0.02408	mg/L	0.0010	0.025	0	96.3	85	115			
Sample ID: 1110672-01DMS		*MS*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:34:38 PM		
Arsenic	0.02874	mg/L	0.0010	0.025	0.003	103	70	130			
Selenium	0.02628	mg/L	0.0010	0.025	0.0011	101	70	130			
Sample ID: 1110672-01DMS		*MS*				Batch ID:	**R48763**	Analysis Date:	10/31/2011 12:48:14 PM		
Uranium	0.1513	mg/L	0.0050	0.125	0.0316	95.8	70	130			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-28946		*MBLK*				Batch ID:	**28946**	Analysis Date:	10/27/2011 12:51:16 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Copper	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:18:15 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48763**	Analysis Date:	10/31/2011 12:35:57 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:22:22 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02858	mg/L	0.0010	0.025	0	114	85	115			
Uranium	0.02608	mg/L	0.0010	0.025	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48763**	Analysis Date:	10/31/2011 12:40:04 PM		
Arsenic	0.02455	mg/L	0.0010	0.025	0	98.2	85	115			
Selenium	0.02634	mg/L	0.0010	0.025	0	105	85	115			
Uranium	0.02408	mg/L	0.0010	0.025	0	96.3	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: 1110672-01CMSD		*MSD*				Batch ID:	**29085**	Analysis Date:	10/26/2011 12:48:29 PM		
Mercury	0.005368	mg/L	0.00020	0.005	0	107	75	125	0.599	20	
Sample ID: MB-29085		*MBLK*				Batch ID:	**29085**	Analysis Date:	10/26/2011 12:41:21 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29085		*LCS*				Batch ID:	**29085**	Analysis Date:	10/26/2011 12:43:07 PM		
Mercury	0.005681	mg/L	0.00020	0.005	0	114	80	120			
Sample ID: 1110672-01CMS		*MS*				Batch ID:	**29085**	Analysis Date:	10/26/2011 12:46:41 PM		
Mercury	0.005400	mg/L	0.00020	0.005	0	108	75	125			

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
ct: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48414**	Analysis Date:	10/13/2011 10:55:38 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48414**	Analysis Date:	10/14/2011 5:12:33 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48587**	Analysis Date:	10/21/2011 6:13:08 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
[illegible]	ND	mg/L	0.50								
[illegible] ID: LCS		*LCS*				Batch ID:	**R48414**	Analysis Date:	10/13/2011 11:13:02 AM		
Fluoride	0.5118	mg/L	0.10	0.5	0	102	90	110			
Chloride	5.019	mg/L	0.50	5	0	100	90	110			
Bromide	2.537	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.553	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.014	mg/L	0.50	5	0	100	90	110			
Sulfate	10.02	mg/L	0.50	10	0	100	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48414**	Analysis Date:	10/14/2011 5:29:58 AM		
Fluoride	0.5018	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.812	mg/L	0.50	5	0	96.2	90	110			
Bromide	2.430	mg/L	0.10	2.5	0	97.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.448	mg/L	0.20	3.5	0	98.5	90	110			
Phosphorus, Orthophosphate (As P)	4.850	mg/L	0.50	5	0	97.0	90	110			
Sulfate	9.696	mg/L	0.50	10	0	97.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48587**	Analysis Date:	10/21/2011 6:30:32 PM		
Fluoride	0.5500	mg/L	0.10	0.5	0	110	90	110			S
Chloride	4.895	mg/L	0.50	5	0	97.9	90	110			
Bromide	2.416	mg/L	0.10	2.5	0	96.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.525	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.069	mg/L	0.50	5	0	101	90	110			
Sulfate	9.935	mg/L	0.50	10	0	99.3	90	110			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28906		*MBLK*				Batch ID:	**28906**	Analysis Date:		10/20/2011 11:31:33 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28906		*LCS*				Batch ID:	**28906**	Analysis Date:		10/21/2011 12:00:16 AM	
Diesel Range Organics (DRO)	5.375	mg/L	1.0	5	0	107	74	157			
Sample ID: LCSD-28906		*LCSD*				Batch ID:	**28906**	Analysis Date:		10/21/2011 12:28:46 AM	
Diesel Range Organics (DRO)	5.174	mg/L	1.0	5	0	103	74	157	3.81	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48449**	Analysis Date:		10/17/2011 1:47:08 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5 GRO LCS		*LCS*				Batch ID:	**R48449**	Analysis Date:		10/17/2011 3:13:54 PM	
Gasoline Range Organics (GRO)	0.5272	mg/L	0.050	0.5	0	105	92.1	117			
Sample ID: 2.5 GRO LCSD		*LCSD*				Batch ID:	**R48449**	Analysis Date:		10/17/2011 3:42:48 PM	
Gasoline Range Organics (GRO)	0.5280	mg/L	0.050	0.5	0	106	92.1	117	0.152	16.1	

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: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48539**		**Analysis Date: 10/17/2011 9:37:34 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
C[illegible]obenzene	ND	µg/L	1.0								
[illegible]ethane	ND	µg/L	2.0								
[illegible]oform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110672

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48539**	Analysis Date:	10/17/2011 9:37:34 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R48539**	Analysis Date:	10/17/2011 1:19:11 PM		
Benzene	19.79	µg/L	1.0	20	0	99.0	81.1	130			
Toluene	20.25	µg/L	1.0	20	0	101	82.3	122			
Chlorobenzene	19.42	µg/L	1.0	20	0	97.1	70	130			
1,1-Dichloroethene	20.72	µg/L	1.0	20	0	104	83.1	126			
Trichloroethene (TCE)	21.39	µg/L	1.0	20	0	107	67.4	137			

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: 10/13/2011

Work Order Number 1110672 Received by: LNM

Checklist completed by: Signature 10/13/11 Date Sample ID labels checked by: dam Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C *Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 9

(<2 or >12 *unless noted below.*)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: ~~Giant~~ 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)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2011 Annual

Project #: MW/SMW wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.0

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. 1110637	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,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss	Major Cations/Anions		Air Bubbles (Y or N)
10/10/11	0924	AQ	SMW-4			-1		X	X							X		X	X	X		
/	1214	/	MW-2			2			1							1		1	1	1		
/	1436	/	MW-5			3			1							1		1	1	1		
			Trip Blank			4																
10/10/11	0900		Field Blank			5																

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/12/11	1510				
Date:	Time:	Relinquished by:	Received by:	10/13/11	0730

Remarks:

FED EX # 8768-5080-2100

If ary, samples submitted to Hall Environmental may be subcontracted to other accredited laborat ...ls serves as notice of this possibility. Any sub-contracted data will be clearly notated on the ana ...eport.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, November 16, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual

Order No.: 1110D32

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 10/31/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *16-Nov-11*

CLIENT: Western Refining Southwest, Gallup
Project: 2011 Annual
Lab Order: 1110D32

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 1110d32-07a: Field blank contains hit for toluene, however, all samples associated with the field blank are non-detect for toluene.

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 10:08:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.6	0.10		mg/L	1	11/1/2011 7:37:43 PM
Chloride	33	10		mg/L	20	11/1/2011 7:48:56 PM
Bromide	ND	0.10		mg/L	1	11/1/2011 7:37:43 PM
Nitrate (As N)+Nitrite (As N)	1.7	1.0		mg/L	5	11/5/2011 12:15:40 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/1/2011 7:37:43 PM
Sulfate	260	10		mg/L	20	11/1/2011 7:48:56 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.016	0.0020		mg/L	1	11/8/2011 7:00:24 AM
Cadmium	ND	0.0020		mg/L	1	11/8/2011 7:00:24 AM
Calcium	3.2	1.0		mg/L	1	11/8/2011 7:00:24 AM
Chromium	ND	0.0060		mg/L	1	11/8/2011 7:00:24 AM
Copper	ND	0.0060		mg/L	1	11/8/2011 7:00:24 AM
Iron	ND	0.020		mg/L	1	11/8/2011 7:00:24 AM
Lead	ND	0.0050		mg/L	1	11/8/2011 7:00:24 AM
Magnesium	ND	1.0		mg/L	1	11/8/2011 7:00:24 AM
Manganese	ND	0.0020		mg/L	1	11/8/2011 7:00:24 AM
Potassium	ND	1.0		mg/L	1	11/8/2011 7:00:24 AM
Silver	ND	0.0050		mg/L	1	11/8/2011 7:00:24 AM
Sodium	330	5.0		mg/L	5	11/8/2011 7:03:43 AM
Zinc	0.026	0.010		mg/L	1	11/8/2011 7:00:24 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.018	0.0020		mg/L	1	11/7/2011 5:12:45 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:12:45 PM
Chromium	0.031	0.0060		mg/L	1	11/7/2011 5:12:45 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:12:45 PM
Iron	0.10	0.020		mg/L	1	11/7/2011 5:12:45 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:12:45 PM
Manganese	0.0077	0.0020		mg/L	1	11/7/2011 5:12:45 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:12:45 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 5:12:45 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	11/10/2011 5:50:00 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 5:50:00 PM
Uranium	0.0043	0.0010		mg/L	1	11/11/2011 1:44:00 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:53:50 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 10:08:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 12:53:50 PM
Uranium	0.0043	0.0025		mg/L	2.5	11/10/2011 12:53:50 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 11:19:04 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Acenaphthylene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Aniline	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Anthracene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Azobenzene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Benz(a)anthracene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Benzoic acid	ND	20		µg/L	1	11/8/2011 8:31:52 PM
Benzyl alcohol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/8/2011 8:31:52 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Carbazole	ND	10		µg/L	1	11/8/2011 8:31:52 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
4-Chloroaniline	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2-Chlorophenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Chrysene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Dibenzofuran	ND	10		µg/L	1	11/8/2011 8:31:52 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/8/2011 8:31:52 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 10:08:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Dimethyl phthalate	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/8/2011 8:31:52 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/8/2011 8:31:52 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/8/2011 8:31:52 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Fluoranthene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Fluorene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Hexachlorobenzene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Hexachloroethane	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Isophorone	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2-Methylphenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
3+4-Methylphenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/8/2011 8:31:52 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/8/2011 8:31:52 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Naphthalene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2-Nitroaniline	ND	10		µg/L	1	11/8/2011 8:31:52 PM
3-Nitroaniline	ND	10		µg/L	1	11/8/2011 8:31:52 PM
4-Nitroaniline	ND	20		µg/L	1	11/8/2011 8:31:52 PM
Nitrobenzene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2-Nitrophenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
4-Nitrophenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Pentachlorophenol	ND	20		µg/L	1	11/8/2011 8:31:52 PM
Phenanthrene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Phenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Pyrene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Pyridine	ND	10		µg/L	1	11/8/2011 8:31:52 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/8/2011 8:31:52 PM
Surr: 2,4,6-Tribromophenol	88.4	18.1-138		%REC	1	11/8/2011 8:31:52 PM
Surr: 2-Fluorobiphenyl	64.4	25.9-101		%REC	1	11/8/2011 8:31:52 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 10:08:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	49.5	12.5-93.2		%REC	1	11/8/2011 8:31:52 PM
Surr: 4-Terphenyl-d14	82.2	29.5-112		%REC	1	11/8/2011 8:31:52 PM
Surr: Nitrobenzene-d5	82.3	20.5-120		%REC	1	11/8/2011 8:31:52 PM
Surr: Phenol-d5	40.8	11.3-73.2		%REC	1	11/8/2011 8:31:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 12:06:40 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 12:06:40 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 12:06:40 AM
Acetone	ND	10		µg/L	1	11/2/2011 12:06:40 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 12:06:40 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 12:06:40 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 12:06:40 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 12:06:40 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 12:06:40 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 12:06:40 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 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
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: *16-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 10:08:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 12:06:40 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 12:06:40 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 12:06:40 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 12:06:40 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 12:06:40 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 12:06:40 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 12:06:40 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 12:06:40 AM
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%REC	1	11/2/2011 12:06:40 AM
Surr: 4-Bromofluorobenzene	106	73-131		%REC	1	11/2/2011 12:06:40 AM
Surr: Dibromofluoromethane	92.0	70-130		%REC	1	11/2/2011 12:06:40 AM
Surr: Toluene-d8	98.1	70-130		%REC	1	11/2/2011 12:06:40 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.1	0.10		mg/L	1	11/1/2011 8:00:10 PM
Chloride	37	10		mg/L	20	11/1/2011 8:11:25 PM
Bromide	0.36	0.10		mg/L	1	11/1/2011 8:00:10 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/5/2011 12:26:54 AM
Phosphorus, Orthophosphate (As P)	0.58	0.50	H	mg/L	1	11/1/2011 8:00:10 PM
Sulfate	7.0	0.50		mg/L	1	11/1/2011 8:00:10 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.13	0.0020		mg/L	1	11/8/2011 7:06:53 AM
Cadmium	ND	0.0020		mg/L	1	11/8/2011 7:06:53 AM
Calcium	9.1	1.0		mg/L	1	11/8/2011 7:06:53 AM
Chromium	ND	0.0060		mg/L	1	11/8/2011 7:06:53 AM
Copper	ND	0.0060		mg/L	1	11/8/2011 7:06:53 AM
Iron	0.28	0.020		mg/L	1	11/8/2011 7:06:53 AM
Lead	ND	0.0050		mg/L	1	11/8/2011 7:06:53 AM
Magnesium	3.3	1.0		mg/L	1	11/8/2011 7:06:53 AM
Manganese	0.12	0.0020		mg/L	1	11/8/2011 7:06:53 AM
Potassium	ND	1.0		mg/L	1	11/8/2011 7:06:53 AM
Silver	ND	0.0050		mg/L	1	11/8/2011 7:06:53 AM
Sodium	350	5.0		mg/L	5	11/8/2011 7:10:09 AM
Zinc	0.021	0.010		mg/L	1	11/8/2011 7:06:53 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.16	0.0020		mg/L	1	11/7/2011 5:17:01 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:17:01 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 5:17:01 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:17:01 PM
Iron	0.87	0.020		mg/L	1	11/7/2011 5:17:01 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:17:01 PM
Manganese	0.19	0.0020		mg/L	1	11/7/2011 5:17:01 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:17:01 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 5:17:01 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0065	0.0010		mg/L	1	11/10/2011 5:52:01 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 5:52:01 PM
Uranium	ND	0.0010		mg/L	1	11/11/2011 1:45:29 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0072	0.0025		mg/L	2.5	11/10/2011 12:57:53 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 12:57:53 PM
Uranium	ND	0.0025		mg/L	2.5	11/10/2011 12:57:53 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 11:24:23 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Acenaphthylene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Aniline	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Anthracene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Azobenzene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Benz(a)anthracene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Benzoic acid	ND	20		µg/L	1	11/8/2011 9:00:27 PM
Benzyl alcohol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/8/2011 9:00:27 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Carbazole	ND	10		µg/L	1	11/8/2011 9:00:27 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
4-Chloroaniline	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2-Chlorophenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Chrysene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Dibenzofuran	ND	10		µg/L	1	11/8/2011 9:00:27 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/8/2011 9:00:27 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Dimethyl phthalate	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/8/2011 9:00:27 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/8/2011 9:00:27 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/8/2011 9:00:27 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Fluoranthene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Fluorene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Hexachlorobenzene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Hexachloroethane	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Isophorone	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2-Methylphenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
3+4-Methylphenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/8/2011 9:00:27 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/8/2011 9:00:27 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Naphthalene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2-Nitroaniline	ND	10		µg/L	1	11/8/2011 9:00:27 PM
3-Nitroaniline	ND	10		µg/L	1	11/8/2011 9:00:27 PM
4-Nitroaniline	ND	20		µg/L	1	11/8/2011 9:00:27 PM
Nitrobenzene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2-Nitrophenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
4-Nitrophenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Pentachlorophenol	ND	20		µg/L	1	11/8/2011 9:00:27 PM
Phenanthrene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Phenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Pyrene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Pyridine	ND	10		µg/L	1	11/8/2011 9:00:27 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/8/2011 9:00:27 PM
Surr: 2,4,6-Tribromophenol	88.0	18.1-138		%REC	1	11/8/2011 9:00:27 PM
Surr: 2-Fluorobiphenyl	75.6	25.9-101		%REC	1	11/8/2011 9:00:27 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	58.3	12.5-93.2		%REC	1	11/8/2011 9:00:27 PM
Surr: 4-Terphenyl-d14	76.4	29.5-112		%REC	1	11/8/2011 9:00:27 PM
Surr: Nitrobenzene-d5	84.9	20.5-120		%REC	1	11/8/2011 9:00:27 PM
Surr: Phenol-d5	47.4	11.3-73.2		%REC	1	11/8/2011 9:00:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 1:31:30 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 1:31:30 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 1:31:30 AM
Acetone	ND	10		µg/L	1	11/2/2011 1:31:30 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 1:31:30 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 1:31:30 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 1:31:30 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 1:31:30 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 1:31:30 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 1:31:30 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:20:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 1:31:30 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 1:31:30 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 1:31:30 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 1:31:30 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 1:31:30 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 1:31:30 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 1:31:30 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 1:31:30 AM
Surr: 1,2-Dichloroethane-d4	93.0	70-130		%REC	1	11/2/2011 1:31:30 AM
Surr: 4-Bromofluorobenzene	107	73-131		%REC	1	11/2/2011 1:31:30 AM
Surr: Dibromofluoromethane	92.0	70-130		%REC	1	11/2/2011 1:31:30 AM
Surr: Toluene-d8	104	70-130		%REC	1	11/2/2011 1:31:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:48:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.6	0.10		mg/L	1	11/1/2011 8:22:39 PM
Chloride	27	10		mg/L	20	11/1/2011 8:33:53 PM
Bromide	0.75	0.10		mg/L	1	11/1/2011 8:22:39 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/5/2011 12:38:07 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/1/2011 8:22:39 PM
Sulfate	140	10		mg/L	20	11/1/2011 8:33:53 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.051	0.0020		mg/L	1	11/8/2011 7:13:18 AM
Cadmium	ND	0.0020		mg/L	1	11/8/2011 7:13:18 AM
Calcium	13	1.0		mg/L	1	11/8/2011 7:13:18 AM
Chromium	ND	0.0060		mg/L	1	11/8/2011 7:13:18 AM
Copper	ND	0.0060		mg/L	1	11/8/2011 7:13:18 AM
Iron	0.26	0.020		mg/L	1	11/8/2011 7:13:18 AM
Lead	ND	0.0050		mg/L	1	11/8/2011 7:13:18 AM
Magnesium	3.1	1.0		mg/L	1	11/8/2011 7:13:18 AM
Manganese	0.25	0.0020		mg/L	1	11/8/2011 7:13:18 AM
Potassium	1.3	1.0		mg/L	1	11/8/2011 7:13:18 AM
Silver	ND	0.0050		mg/L	1	11/8/2011 7:13:18 AM
Sodium	570	10		mg/L	10	11/8/2011 1:47:04 PM
Zinc	0.026	0.010		mg/L	1	11/8/2011 7:13:18 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.056	0.0020		mg/L	1	11/7/2011 5:19:39 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:19:39 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 5:19:39 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:19:39 PM
Iron	0.57	0.020		mg/L	1	11/7/2011 5:19:39 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:19:39 PM
Manganese	0.26	0.0020		mg/L	1	11/7/2011 5:19:39 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:19:39 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 5:19:39 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	11/10/2011 5:54:03 PM
Selenium	0.0013	0.0010		mg/L	1	11/10/2011 5:54:03 PM
Uranium	0.016	0.0010		mg/L	1	11/11/2011 1:46:59 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:59:54 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:48:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 12:59:54 PM
Uranium	0.015	0.0025		mg/L	2.5	11/10/2011 12:59:54 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 11:26:08 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Aniline	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Anthracene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Azobenzene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Benzoic acid	ND	20		µg/L	1	11/9/2011 11:57:14 AM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/9/2011 11:57:14 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Carbazole	ND	10		µg/L	1	11/9/2011 11:57:14 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Chrysene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 11:57:14 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 11:57:14 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:48:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 11:57:14 AM
2,4-Dimethylphenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 11:57:14 AM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 11:57:14 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Fluoranthene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Fluorene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Isophorone	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2-Methylphenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
3+4-Methylphenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 11:57:14 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 11:57:14 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Naphthalene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 11:57:14 AM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 11:57:14 AM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 11:57:14 AM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 11:57:14 AM
Phenanthrene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Phenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Pyrene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Pyridine	ND	10		µg/L	1	11/9/2011 11:57:14 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 11:57:14 AM
Surr: 2,4,6-Tribromophenol	91.5	18.1-138		%REC	1	11/9/2011 11:57:14 AM
Surr: 2-Fluorobiphenyl	68.7	25.9-101		%REC	1	11/9/2011 11:57:14 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:48:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	60.8	12.5-93.2		%REC	1	11/9/2011 11:57:14 AM
Surr: 4-Terphenyl-d14	83.9	29.5-112		%REC	1	11/9/2011 11:57:14 AM
Surr: Nitrobenzene-d5	75.7	20.5-120		%REC	1	11/9/2011 11:57:14 AM
Surr: Phenol-d5	42.5	11.3-73.2		%REC	1	11/9/2011 11:57:14 AM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 1:59:36 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 1:59:36 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 1:59:36 AM
Acetone	ND	10		µg/L	1	11/2/2011 1:59:36 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 1:59:36 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 1:59:36 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 1:59:36 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 1:59:36 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 1:59:36 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 1:59:36 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 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
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: *16-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 11:48:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 1:59:36 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 1:59:36 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 1:59:36 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 1:59:36 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 1:59:36 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 1:59:36 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 1:59:36 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 1:59:36 AM
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%REC	1	11/2/2011 1:59:36 AM
Surr: 4-Bromofluorobenzene	106	73-131		%REC	1	11/2/2011 1:59:36 AM
Surr: Dibromofluoromethane	92.8	70-130		%REC	1	11/2/2011 1:59:36 AM
Surr: Toluene-d8	102	70-130		%REC	1	11/2/2011 1:59:36 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 12:35:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.0	0.10		mg/L	1	11/1/2011 9:07:35 PM
Chloride	43	10		mg/L	20	11/1/2011 9:18:49 PM
Bromide	ND	0.10		mg/L	1	11/1/2011 9:07:35 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/5/2011 12:49:20 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/1/2011 9:07:35 PM
Sulfate	280	10		mg/L	20	11/1/2011 9:18:49 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.015	0.0020		mg/L	1	11/8/2011 7:28:38 AM
Cadmium	ND	0.0020		mg/L	1	11/8/2011 7:28:38 AM
Calcium	2.2	1.0		mg/L	1	11/8/2011 7:28:38 AM
Chromium	ND	0.0060		mg/L	1	11/8/2011 7:28:38 AM
Copper	ND	0.0060		mg/L	1	11/8/2011 7:28:38 AM
Iron	ND	0.020		mg/L	1	11/8/2011 7:28:38 AM
Lead	ND	0.0050		mg/L	1	11/8/2011 7:28:38 AM
Magnesium	ND	1.0		mg/L	1	11/8/2011 7:28:38 AM
Manganese	ND	0.0020		mg/L	1	11/8/2011 7:28:38 AM
Potassium	ND	1.0		mg/L	1	11/8/2011 7:28:38 AM
Silver	ND	0.0050		mg/L	1	11/8/2011 7:28:38 AM
Sodium	320	5.0		mg/L	5	11/8/2011 7:31:51 AM
Zinc	0.015	0.010		mg/L	1	11/8/2011 7:28:38 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.021	0.0020		mg/L	1	11/7/2011 5:23:04 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:23:04 PM
Chromium	0.0085	0.0060		mg/L	1	11/7/2011 5:23:04 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:23:04 PM
Iron	0.28	0.020		mg/L	1	11/7/2011 5:23:04 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:23:04 PM
Manganese	0.023	0.0020		mg/L	1	11/7/2011 5:23:04 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:23:04 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 5:23:04 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	11/10/2011 5:56:04 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 5:56:04 PM
Uranium	0.0044	0.0010		mg/L	1	11/11/2011 1:48:29 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 1:01:56 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 12:35:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 1:01:56 PM
Uranium	0.0043	0.0025		mg/L	2.5	11/10/2011 1:01:56 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 11:27:54 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Aniline	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Anthracene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Azobenzene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Benzoic acid	ND	20		µg/L	1	11/9/2011 12:26:28 PM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/9/2011 12:26:28 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Carbazole	ND	10		µg/L	1	11/9/2011 12:26:28 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Chrysene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 12:26:28 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 12:26:28 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 12:35:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 12:26:28 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 12:26:28 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 12:26:28 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Fluoranthene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Fluorene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Isophorone	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2-Methylphenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
3+4-Methylphenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 12:26:28 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 12:26:28 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Naphthalene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 12:26:28 PM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 12:26:28 PM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 12:26:28 PM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 12:26:28 PM
Phenanthrene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Phenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Pyrene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Pyridine	ND	10		µg/L	1	11/9/2011 12:26:28 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 12:26:28 PM
Surr: 2,4,6-Tribromophenol	50.2	18.1-138		%REC	1	11/9/2011 12:26:28 PM
Surr: 2-Fluorobiphenyl	43.0	25.9-101		%REC	1	11/9/2011 12:26:28 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 12:35:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	32.9	12.5-93.2		%REC	1	11/9/2011 12:26:28 PM
Surr: 4-Terphenyl-d14	45.9	29.5-112		%REC	1	11/9/2011 12:26:28 PM
Surr: Nitrobenzene-d5	42.1	20.5-120		%REC	1	11/9/2011 12:26:28 PM
Surr: Phenol-d5	23.6	11.3-73.2		%REC	1	11/9/2011 12:26:28 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 2:27:37 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 2:27:37 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 2:27:37 AM
Acetone	ND	10		µg/L	1	11/2/2011 2:27:37 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 2:27:37 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 2:27:37 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 2:27:37 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 2:27:37 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 2:27:37 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 2:27:37 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 12:35:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 2:27:37 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 2:27:37 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 2:27:37 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 2:27:37 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 2:27:37 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 2:27:37 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 2:27:37 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 2:27:37 AM
Surr: 1,2-Dichloroethane-d4	89.5	70-130		%REC	1	11/2/2011 2:27:37 AM
Surr: 4-Bromofluorobenzene	106	73-131		%REC	1	11/2/2011 2:27:37 AM
Surr: Dibromofluoromethane	92.9	70-130		%REC	1	11/2/2011 2:27:37 AM
Surr: Toluene-d8	96.4	70-130		%REC	1	11/2/2011 2:27:37 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
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: *16-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 1:25:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.3	0.10		mg/L	1	11/1/2011 9:30:03 PM
Chloride	28	10		mg/L	20	11/1/2011 9:41:17 PM
Bromide	0.31	0.10		mg/L	1	11/1/2011 9:30:03 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/5/2011 1:00:34 AM
Phosphorus, Orthophosphate (As P)	0.84	0.50	H	mg/L	1	11/1/2011 9:30:03 PM
Sulfate	48	0.50		mg/L	1	11/1/2011 9:30:03 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.11	0.0020		mg/L	1	11/8/2011 7:34:51 AM
Cadmium	ND	0.0020		mg/L	1	11/8/2011 7:34:51 AM
Calcium	8.4	1.0		mg/L	1	11/8/2011 7:34:51 AM
Chromium	ND	0.0060		mg/L	1	11/8/2011 7:34:51 AM
Copper	ND	0.0060		mg/L	1	11/8/2011 7:34:51 AM
Iron	0.97	0.020		mg/L	1	11/8/2011 7:34:51 AM
Lead	ND	0.0050		mg/L	1	11/8/2011 7:34:51 AM
Magnesium	3.0	1.0		mg/L	1	11/8/2011 7:34:51 AM
Manganese	0.12	0.0020		mg/L	1	11/8/2011 7:34:51 AM
Potassium	ND	1.0		mg/L	1	11/8/2011 7:34:51 AM
Silver	ND	0.0050		mg/L	1	11/8/2011 7:34:51 AM
Sodium	400	5.0		mg/L	5	11/8/2011 7:37:27 AM
Zinc	0.035	0.010		mg/L	1	11/8/2011 7:34:51 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.093	0.0020		mg/L	1	11/7/2011 5:35:11 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:35:11 PM
Chromium	0.0075	0.0060		mg/L	1	11/7/2011 5:35:11 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:35:11 PM
Iron	0.82	0.020		mg/L	1	11/7/2011 5:35:11 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:35:11 PM
Manganese	0.086	0.0020		mg/L	1	11/7/2011 5:35:11 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:35:11 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 5:35:11 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0049	0.0010		mg/L	1	11/10/2011 6:02:11 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 6:02:11 PM
Uranium	ND	0.0010		mg/L	1	11/11/2011 1:49:58 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0049	0.0025		mg/L	2.5	11/10/2011 1:03:57 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 1:25:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 1:03:57 PM
Uranium	ND	0.0025		mg/L	2.5	11/10/2011 1:03:57 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 11:29:38 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Aniline	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Anthracene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Azobenzene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Benzoic acid	ND	20		µg/L	1	11/9/2011 12:55:51 PM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/9/2011 12:55:51 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Carbazole	ND	10		µg/L	1	11/9/2011 12:55:51 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Chrysene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 12:55:51 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 12:55:51 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 1:25:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 12:55:51 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 12:55:51 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 12:55:51 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Fluoranthene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Fluorene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Isophorone	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2-Methylphenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
3+4-Methylphenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 12:55:51 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 12:55:51 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Naphthalene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 12:55:51 PM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 12:55:51 PM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 12:55:51 PM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 12:55:51 PM
Phenanthrene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Phenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Pyrene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Pyridine	ND	10		µg/L	1	11/9/2011 12:55:51 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 12:55:51 PM
Surr: 2,4,6-Tribromophenol	83.9	18.1-138		%REC	1	11/9/2011 12:55:51 PM
Surr: 2-Fluorobiphenyl	61.7	25.9-101		%REC	1	11/9/2011 12:55:51 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 1:25:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	51.0	12.5-93.2		%REC	1	11/9/2011 12:55:51 PM
Surr: 4-Terphenyl-d14	76.3	29.5-112		%REC	1	11/9/2011 12:55:51 PM
Surr: Nitrobenzene-d5	63.7	20.5-120		%REC	1	11/9/2011 12:55:51 PM
Surr: Phenol-d5	38.9	11.3-73.2		%REC	1	11/9/2011 12:55:51 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 2:55:49 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 2:55:49 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 2:55:49 AM
Acetone	ND	10		µg/L	1	11/2/2011 2:55:49 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 2:55:49 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 2:55:49 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 2:55:49 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 2:55:49 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 2:55:49 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 2:55:49 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1110D32	**Collection Date:**	10/28/2011 1:25:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 2:55:49 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 2:55:49 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 2:55:49 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 2:55:49 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 2:55:49 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 2:55:49 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 2:55:49 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 2:55:49 AM
Surr: 1,2-Dichloroethane-d4	88.0	70-130		%REC	1	11/2/2011 2:55:49 AM
Surr: 4-Bromofluorobenzene	109	73-131		%REC	1	11/2/2011 2:55:49 AM
Surr: Dibromofluoromethane	91.6	70-130		%REC	1	11/2/2011 2:55:49 AM
Surr: Toluene-d8	101	70-130		%REC	1	11/2/2011 2:55:49 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 2:30:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.4	0.10		mg/L	1	11/1/2011 9:52:30 PM
Chloride	35	10		mg/L	20	11/1/2011 10:03:44 PM
Bromide	ND	0.10		mg/L	1	11/1/2011 9:52:30 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/5/2011 1:11:48 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/1/2011 9:52:30 PM
Sulfate	320	10		mg/L	20	11/1/2011 10:03:44 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.034	0.0020		mg/L	1	11/8/2011 7:40:29 AM
Cadmium	ND	0.0020		mg/L	1	11/8/2011 7:40:29 AM
Calcium	3.8	1.0		mg/L	1	11/8/2011 7:40:29 AM
Chromium	ND	0.0060		mg/L	1	11/8/2011 7:40:29 AM
Copper	ND	0.0060		mg/L	1	11/8/2011 7:40:29 AM
Iron	ND	0.020		mg/L	1	11/8/2011 7:40:29 AM
Lead	ND	0.0050		mg/L	1	11/8/2011 7:40:29 AM
Magnesium	ND	1.0		mg/L	1	11/8/2011 7:40:29 AM
Manganese	0.014	0.0020		mg/L	1	11/8/2011 7:40:29 AM
Potassium	ND	1.0		mg/L	1	11/8/2011 7:40:29 AM
Silver	ND	0.0050		mg/L	1	11/8/2011 7:40:29 AM
Sodium	380	5.0		mg/L	5	11/8/2011 7:43:44 AM
Zinc	0.066	0.010		mg/L	1	11/8/2011 7:40:29 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.036	0.0020		mg/L	1	11/7/2011 5:37:48 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:37:48 PM
Chromium	0.0070	0.0060		mg/L	1	11/7/2011 5:37:48 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:37:48 PM
Iron	0.16	0.020		mg/L	1	11/7/2011 5:37:48 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:37:48 PM
Manganese	0.018	0.0020		mg/L	1	11/7/2011 5:37:48 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:37:48 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 5:37:48 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0017	0.0010		mg/L	1	11/10/2011 6:04:12 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 6:04:12 PM
Uranium	0.0013	0.0010		mg/L	1	11/11/2011 1:51:28 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 1:05:58 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 2:30:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 1:05:58 PM
Uranium	ND	0.0025		mg/L	2.5	11/10/2011 1:05:58 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 11:34:55 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Aniline	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Anthracene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Azobenzene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Benzoic acid	ND	20		µg/L	1	11/9/2011 1:25:18 PM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Bis(2-ethylhexyl)phthalate	14	10		µg/L	1	11/9/2011 1:25:18 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Carbazole	ND	10		µg/L	1	11/9/2011 1:25:18 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Chrysene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 1:25:18 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 1:25:18 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 2:30:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 1:25:18 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 1:25:18 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 1:25:18 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Fluoranthene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Fluorene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Isophorone	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2-Methylphenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
3+4-Methylphenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 1:25:18 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 1:25:18 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Naphthalene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 1:25:18 PM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 1:25:18 PM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 1:25:18 PM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 1:25:18 PM
Phenanthrene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Phenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Pyrene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Pyridine	ND	10		µg/L	1	11/9/2011 1:25:18 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 1:25:18 PM
Surr: 2,4,6-Tribromophenol	67.4	18.1-138		%REC	1	11/9/2011 1:25:18 PM
Surr: 2-Fluorobiphenyl	39.6	25.9-101		%REC	1	11/9/2011 1:25:18 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 2:30:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	28.8	12.5-93.2		%REC	1	11/9/2011 1:25:18 PM
Surr: 4-Terphenyl-d14	76.2	29.5-112		%REC	1	11/9/2011 1:25:18 PM
Surr: Nitrobenzene-d5	38.8	20.5-120		%REC	1	11/9/2011 1:25:18 PM
Surr: Phenol-d5	23.6	11.3-73.2		%REC	1	11/9/2011 1:25:18 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 3:24:07 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 3:24:07 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 3:24:07 AM
Acetone	ND	10		µg/L	1	11/2/2011 3:24:07 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 3:24:07 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 3:24:07 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 3:24:07 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 3:24:07 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 3:24:07 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 3:24:07 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1110D32	**Collection Date:**	10/28/2011 2:30:00 PM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 3:24:07 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 3:24:07 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 3:24:07 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 3:24:07 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 3:24:07 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 3:24:07 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 3:24:07 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 3:24:07 AM
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%REC	1	11/2/2011 3:24:07 AM
Surr: 4-Bromofluorobenzene	111	73-131		%REC	1	11/2/2011 3:24:07 AM
Surr: Dibromofluoromethane	91.4	70-130		%REC	1	11/2/2011 3:24:07 AM
Surr: Toluene-d8	100	70-130		%REC	1	11/2/2011 3:24:07 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110D32	**Collection Date:**	10/28/2011 9:00:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Toluene	2.0	1.0		µg/L	1	11/2/2011 3:52:22 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 3:52:22 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 3:52:22 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 3:52:22 AM
Acetone	ND	10		µg/L	1	11/2/2011 3:52:22 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 3:52:22 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 3:52:22 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 3:52:22 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 3:52:22 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 3:52:22 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 3:52:22 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 3:52:22 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 3:52:22 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110D32	**Collection Date:**	10/28/2011 9:00:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 3:52:22 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 3:52:22 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 3:52:22 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 3:52:22 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 3:52:22 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 3:52:22 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 3:52:22 AM
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%REC	1	11/2/2011 3:52:22 AM
Surr: 4-Bromofluorobenzene	109	73-131		%REC	1	11/2/2011 3:52:22 AM
Surr: Dibromofluoromethane	93.3	70-130		%REC	1	11/2/2011 3:52:22 AM
Surr: Toluene-d8	98.3	70-130		%REC	1	11/2/2011 3:52:22 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
- 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1110D32	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-08	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Naphthalene	ND	2.0		µg/L	1	11/2/2011 4:20:37 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 4:20:37 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/2/2011 4:20:37 AM
Acetone	ND	10		µg/L	1	11/2/2011 4:20:37 AM
Bromobenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Bromoform	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Bromomethane	ND	3.0		µg/L	1	11/2/2011 4:20:37 AM
2-Butanone	ND	10		µg/L	1	11/2/2011 4:20:37 AM
Carbon disulfide	ND	10		µg/L	1	11/2/2011 4:20:37 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Chlorobenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Chloroethane	ND	2.0		µg/L	1	11/2/2011 4:20:37 AM
Chloroform	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Chloromethane	ND	3.0		µg/L	1	11/2/2011 4:20:37 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/2/2011 4:20:37 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Dibromomethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/2/2011 4:20:37 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 4:20:37 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1110D32	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D32-08	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
2-Hexanone	ND	10		µg/L	1	11/2/2011 4:20:37 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 4:20:37 AM
Methylene Chloride	ND	3.0		µg/L	1	11/2/2011 4:20:37 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Styrene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/2/2011 4:20:37 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/2/2011 4:20:37 AM
Vinyl chloride	ND	1.0		µg/L	1	11/2/2011 4:20:37 AM
Xylenes, Total	ND	1.5		µg/L	1	11/2/2011 4:20:37 AM
Surr: 1,2-Dichloroethane-d4	89.9	70-130		%REC	1	11/2/2011 4:20:37 AM
Surr: 4-Bromofluorobenzene	111	73-131		%REC	1	11/2/2011 4:20:37 AM
Surr: Dibromofluoromethane	90.6	70-130		%REC	1	11/2/2011 4:20:37 AM
Surr: Toluene-d8	99.1	70-130		%REC	1	11/2/2011 4:20:37 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
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
ject: 2011 Annual **Work Order:** 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Metals**											
Sample ID: **MB-29230**		*MBLK*				**Batch ID:**	**29230**	**Analysis Date:**		**11/7/2011 4:20:11 PM**	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: **LCS-29230**		*LCS*				**Batch ID:**	**29230**	**Analysis Date:**		**11/7/2011 4:23:09 PM**	
Arsenic	0.5398	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5040	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5254	mg/L	0.0020	0.5	0	105	85	115			
Chromium	0.5067	mg/L	0.0060	0.5	0.0010	101	85	115			
Copper	0.4971	mg/L	0.0060	0.5	0.0007	99.3	85	115			
Iron	0.5091	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5053	mg/L	0.0050	0.5	0	101	85	115			
Manganese	0.4923	mg/L	0.0020	0.5	0	98.5	85	115			
Silver	0.1044	mg/L	0.0050	0.1	0	104	85	115			
	0.5127	mg/L	0.010	0.5	0.0018	102	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual
Work Order: 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	R48933	Analysis Date:	11/8/2011 6:45:00 AM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	R48943	Analysis Date:	11/8/2011 1:41:06 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	R48933	Analysis Date:	11/8/2011 6:47:53 AM		
Barium	0.4998	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5169	mg/L	0.0020	0.5	0.0002	103	85	115			
Calcium	52.60	mg/L	1.0	50	0	105	85	115			
Chromium	0.5019	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.4896	mg/L	0.0060	0.5	0.0016	97.6	85	115			
Iron	0.5075	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5035	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	53.02	mg/L	1.0	50	0.0075	106	85	115			
Manganese	0.4868	mg/L	0.0020	0.5	0	97.4	85	115			
Potassium	51.16	mg/L	1.0	50	0	102	85	115			
Silver	0.1021	mg/L	0.0050	0.1	0	102	85	115			
Sodium	51.96	mg/L	1.0	50	0	104	85	115			
Zinc	0.5092	mg/L	0.010	0.5	0.0017	101	85	115			
Sample ID: LCS		*LCS*				Batch ID:	R48943	Analysis Date:	11/8/2011 1:43:59 PM		
Barium	0.5268	mg/L	0.0020	0.5	0	105	85	115			
Cadmium	0.5375	mg/L	0.0020	0.5	0	108	85	115			

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: 2011 Annual
Work Order: 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R48943**	Analysis Date:	11/8/2011 1:43:59 PM		
Calcium	54.22	mg/L	1.0	50	0	108	85	115			
Chromium	0.5323	mg/L	0.0060	0.5	0	106	85	115			
Copper	0.5008	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.5238	mg/L	0.020	0.5	0	105	85	115			
Lead	0.5290	mg/L	0.0050	0.5	0	106	85	115			
Magnesium	52.70	mg/L	1.0	50	0.004	105	85	115			
Manganese	0.5128	mg/L	0.0020	0.5	0	103	85	115			
Potassium	51.80	mg/L	1.0	50	0.2087	103	85	115			
Silver	0.1075	mg/L	0.0050	0.1	0	107	85	115			
Sodium	52.10	mg/L	1.0	50	0.548	103	85	115			
Zinc	0.5494	mg/L	0.010	0.5	0	110	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:23:00 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
Arsenic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
ıium	0.02792	mg/L	0.0010	0.025	0	112	85	115			
.ple ID: LCS		*LCS*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:24:31 PM		
Uranium	0.02648	mg/L	0.0010	0.025	0	106	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-29230		*MBLK*				Batch ID:	**29230**	Analysis Date:	11/10/2011 12:49:48 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
Arsenic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02792	mg/L	0.0010	0.025	0	112	85	115			

Qualifiers:

—	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 245.1: Mercury											
Sample ID: 1110D32-01CMSD		*MSD*				Batch ID:	29284	Analysis Date:		11/9/2011 11:22:39 AM	
Mercury	0.004913	mg/L	0.00020	0.005	3E-05	97.7	75	125	0.178	20	
Sample ID: MB-29284		*MBLK*				Batch ID:	29284	Analysis Date:		11/9/2011 11:13:44 AM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29284		*LCS*				Batch ID:	29284	Analysis Date:		11/9/2011 11:15:31 AM	
Mercury	0.005083	mg/L	0.00020	0.005	3E-05	101	80	120			
Sample ID: 1110D32-01CMS		*MS*				Batch ID:	29284	Analysis Date:		11/9/2011 11:20:51 AM	
Mercury	0.004904	mg/L	0.00020	0.005	3E-05	97.6	75	125			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual
Work Order: 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48795**	Analysis Date:	11/1/2011 2:23:19 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48795**	Analysis Date:	11/2/2011 12:29:42 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48907**	Analysis Date:	11/4/2011 2:54:14 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
[illegible]ate	ND	mg/L	0.50								
[illegible]le ID: LCS		*LCS*				Batch ID:	**R48795**	Analysis Date:	11/1/2011 2:34:34 PM		
Fluoride	0.4958	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.840	mg/L	0.50	5	0	96.8	90	110			
Bromide	2.420	mg/L	0.10	2.5	0	96.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.422	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.801	mg/L	0.50	5	0	96.0	90	110			
Sulfate	9.800	mg/L	0.50	10	0	98.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48795**	Analysis Date:	11/2/2011 12:40:56 AM		
Fluoride	0.5157	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.847	mg/L	0.50	5	0	96.9	90	110			
Bromide	2.310	mg/L	0.10	2.5	0	92.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.474	mg/L	0.20	3.5	0	99.3	90	110			
Phosphorus, Orthophosphate (As P)	4.973	mg/L	0.50	5	0	99.5	90	110			
Sulfate	9.760	mg/L	0.50	10	0	97.6	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48907**	Analysis Date:	11/4/2011 3:05:27 PM		
Fluoride	0.5102	mg/L	0.10	0.5	0	102	90	110			
Chloride	5.014	mg/L	0.50	5	0	100	90	110			
Bromide	2.482	mg/L	0.10	2.5	0	99.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.531	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.988	mg/L	0.50	5	0	99.8	90	110			
Sulfate	10.08	mg/L	0.50	10	0	101	90	110			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1110d32-01a msd		*MSD*				Batch ID: **R48797**		Analysis Date:		11/2/2011 1:03:17 AM	
Benzene	19.69	µg/L	1.0	20	0	98.5	69.2	127	5.27	18.7	
Toluene	20.71	µg/L	1.0	20	0	104	68.2	130	0.357	16.9	
Chlorobenzene	18.92	µg/L	1.0	20	0	94.6	74	122	1.82	13.9	
1,1-Dichloroethene	19.39	µg/L	1.0	20	0	96.9	69.3	123	4.40	16.7	
Trichloroethene (TCE)	19.42	µg/L	1.0	20	0	97.1	61.3	127	1.16	18	
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48797**		Analysis Date:		11/1/2011 9:12:02 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
ect: 2011 Annual **Work Order:** 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48797**	Analysis Date:	11/1/2011 9:12:02 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
-Trichloroethane	ND	µg/L	1.0								
-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R48797**	Analysis Date:	11/1/2011 10:37:02 AM		
Benzene	19.26	µg/L	1.0	20	0	96.3	81.1	130			
Toluene	22.08	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	20.61	µg/L	1.0	20	0	103	70	130			
1,1-Dichloroethene	19.31	µg/L	1.0	20	0	96.6	83.1	126			
Trichloroethene (TCE)	19.78	µg/L	1.0	20	0	98.9	67.4	137			
Sample ID: 1110d32-01a ms		*MS*				Batch ID:	**R48797**	Analysis Date:	11/2/2011 12:34:58 AM		
Benzene	18.68	µg/L	1.0	20	0	93.4	69.2	127			
Toluene	20.79	µg/L	1.0	20	0	104	68.2	130			
Chlorobenzene	19.27	µg/L	1.0	20	0	96.3	74	122			
1,1-Dichloroethene	18.55	µg/L	1.0	20	0	92.8	69.3	123			
Trichloroethene (TCE)	19.19	µg/L	1.0	20	0	96.0	61.3	127			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	Analyte detected below quantitation limits	NC	Non-Chlorinated
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29216		*MBLK*				Batch ID: **29216**		Analysis Date:	11/8/2011 5:38:47 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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: 2011 Annual
Work Order: 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29216		*MBLK*				Batch ID:	**29216**	Analysis Date:		11/8/2011 5:38:47 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
[illegible]nthrene	ND	µg/L	10								
[illegible]	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29216		*LCS*				Batch ID:	**29216**	Analysis Date:		11/8/2011 6:07:46 PM	
Acenaphthene	78.44	µg/L	10	100	0	78.4	37.7	119			
4-Chloro-3-methylphenol	166.0	µg/L	10	200	0	83.0	48.8	104			
2-Chlorophenol	151.3	µg/L	10	200	0	75.7	38.2	109			
1,4-Dichlorobenzene	56.04	µg/L	10	100	0	56.0	33.7	99.1			
2,4-Dinitrotoluene	84.18	µg/L	10	100	0	84.2	39.9	125			
N-Nitrosodi-n-propylamine	77.98	µg/L	10	100	0	78.0	43.8	95.1			
4-Nitrophenol	106.8	µg/L	10	200	0	53.4	21.7	68.6			
Pentachlorophenol	155.9	µg/L	20	200	0	78.0	26.7	107			
Phenol	99.44	µg/L	10	200	0	49.7	23.9	65.8			
Pyrene	77.74	µg/L	10	100	0	77.7	45.7	107			
1,2,4-Trichlorobenzene	57.08	µg/L	10	100	0	57.1	30.8	104			
Sample ID: lcsd-29216		*LCSD*				Batch ID:	**29216**	Analysis Date:		11/8/2011 6:36:47 PM	
Acenaphthene	68.50	µg/L	10	100	0	68.5	37.7	119	13.5	20	
4-Chloro-3-methylphenol	148.6	µg/L	10	200	0	74.3	48.8	104	11.1	20	
2-Chlorophenol	136.4	µg/L	10	200	0	68.2	38.2	109	10.4	20	
1,4-Dichlorobenzene	56.26	µg/L	10	100	0	56.3	33.7	99.1	0.392	20	

Qualifiers:

~	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110D32

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-29216		*LCSD*				Batch ID:	**29216**	Analysis Date:		11/8/2011 6:36:47 PM	
2,4-Dinitrotoluene	81.82	µg/L	10	100	0	81.8	39.9	125	2.84	20	
N-Nitrosodi-n-propylamine	63.32	µg/L	10	100	0	63.3	43.8	95.1	20.8	20	R
4-Nitrophenol	97.36	µg/L	10	200	0	48.7	21.7	68.6	9.25	20	
Pentachlorophenol	163.5	µg/L	20	200	0	81.8	26.7	107	4.75	20	
Phenol	82.12	µg/L	10	200	0	41.1	23.9	65.8	19.1	20	
Pyrene	80.02	µg/L	10	100	0	80.0	45.7	107	2.89	20	
1,2,4-Trichlorobenzene	58.92	µg/L	10	100	0	58.9	30.8	104	3.17	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU Date Received: 10/31/2011

k Order Number 1110D32 Received by: AT

Checklist completed by: Signature 10/31/11 Date Sample ID labels checked by: MG Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
ter - pH acceptable upon receipt?	Yes ☑	No ☑	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 18

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: 03C: ADDED 1mL HNO_3 FOR ACCEPTABLE pH. 11/1/11

04B: ADDED 04mL HNO_3 FOR ACCEPTABLE pH. 11/1/11

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM
Phone #: 505 722 3833
email or Fax#: 505-863-0930
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2011 Annual
Project #: BW Wells
Project Manager: C. Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4°C

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1110532	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,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA) + Phenols	WQCC Metals - Total	WQCC Metals - Dissolved	Major Cations / Anions	Air Bubbles (Y or N)
10/28/11	1008	AQ	BW-1C	VARIOUS	VARIOUS	-1										X	X	X	X	X	
	1120		BW-2A			2															
	1148		BW-2B			3															
	1235		BW-2C			4															
	1325		BW-3B			5															
	1430		BW-3C	1	1	6															
10/28/11	0900		Field Blank	VOA	HCl	7															
10/28/11			Trip Blank	VOA	HCl	8															
					10/31/11																

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/28/11	1630			10/31/11	12:45
10/31/11	1245			10/31/11	1245

Remarks:

If ne samples submitted to Hall Environmental may be subcontracted to other accredited laboratorie serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analyti rt.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, November 01, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual

Order No.: 1110673

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 10/13/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1110673	**Collection Date:**	10/12/2011 10:52:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/21/2011 5:55:16 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/21/2011 5:55:16 AM
Surr: DNOP	115	81.1-147		%REC	1	10/21/2011 5:55:16 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/17/2011 7:57:48 PM
Surr: BFB	91.6	65.4-141		%REC	1	10/17/2011 7:57:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.35	0.10		mg/L	1	10/13/2011 6:45:44 PM
Chloride	18	0.50		mg/L	1	10/13/2011 6:45:44 PM
Bromide	0.12	0.10		mg/L	1	10/13/2011 6:45:44 PM
Nitrate (As N)+Nitrite (As N)	6.8	1.0		mg/L	5	10/22/2011 2:38:05 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	10/13/2011 6:45:44 PM
Sulfate	150	10		mg/L	20	10/13/2011 7:03:08 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.021	0.0020		mg/L	1	10/24/2011 2:22:14 PM
Cadmium	ND	0.0020		mg/L	1	10/24/2011 2:22:14 PM
Calcium	1.7	1.0		mg/L	1	10/26/2011 2:49:56 PM
Chromium	ND	0.0060		mg/L	1	10/24/2011 2:22:14 PM
Copper	ND	0.0060		mg/L	1	10/24/2011 2:22:14 PM
Iron	ND	0.020		mg/L	1	10/26/2011 2:49:56 PM
Lead	ND	0.0050		mg/L	1	10/24/2011 2:22:14 PM
Magnesium	ND	1.0		mg/L	1	10/26/2011 2:49:56 PM
Manganese	0.0058	0.0020		mg/L	1	10/24/2011 2:22:14 PM
Potassium	ND	1.0		mg/L	1	10/26/2011 2:49:56 PM
Silver	ND	0.0050		mg/L	1	10/24/2011 2:22:14 PM
Sodium	290	5.0		mg/L	5	10/26/2011 2:53:16 PM
Zinc	0.10	0.010		mg/L	1	10/24/2011 2:22:14 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.022	0.0020		mg/L	1	10/19/2011 8:42:55 AM
Cadmium	ND	0.0020		mg/L	1	10/19/2011 8:42:55 AM
Chromium	ND	0.0060		mg/L	1	10/19/2011 8:42:55 AM
Copper	ND	0.0060		mg/L	1	10/19/2011 8:42:55 AM
Iron	ND	0.020		mg/L	1	10/19/2011 8:42:55 AM
Lead	ND	0.0050		mg/L	1	10/21/2011 1:37:08 PM
Manganese	0.0069	0.0020		mg/L	1	10/19/2011 8:42:55 AM
Silver	ND	0.0050		mg/L	1	10/19/2011 8:42:55 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
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: *01-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1110673	**Collection Date:**	10/12/2011 10:52:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: ELS
Sodium	280	5.0		mg/L	5	10/21/2011 1:40:23 PM
Zinc	ND	0.010		mg/L	1	10/21/2011 1:37:08 PM
EPA 200.8: DISSOLVED METALS						Analyst: SNV
Arsenic	ND	0.0010		mg/L	1	10/28/2011 1:46:53 PM
Selenium	ND	0.0010		mg/L	1	10/28/2011 1:46:53 PM
Uranium	0.017	0.0010		mg/L	1	10/28/2011 1:46:53 PM
EPA 200.8: METALS						Analyst: SNV
Arsenic	ND	0.0025		mg/L	2.5	10/27/2011 2:10:41 PM
Selenium	ND	0.0025		mg/L	2.5	10/27/2011 2:10:41 PM
Uranium	0.018	0.0025		mg/L	2.5	10/27/2011 2:10:41 PM
EPA METHOD 245.1: MERCURY						Analyst: BRM
Mercury	ND	0.00020		mg/L	1	10/26/2011 12:54:01 PM
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Toluene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Ethylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Naphthalene	ND	2.0		µg/L	1	10/15/2011 10:20:49 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 10:20:49 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 10:20:49 AM
Acetone	ND	10		µg/L	1	10/15/2011 10:20:49 AM
Bromobenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Bromoform	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Bromomethane	ND	3.0		µg/L	1	10/15/2011 10:20:49 AM
2-Butanone	ND	10		µg/L	1	10/15/2011 10:20:49 AM
Carbon disulfide	ND	10		µg/L	1	10/15/2011 10:20:49 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Chlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Chloroethane	ND	2.0		µg/L	1	10/15/2011 10:20:49 AM
Chloroform	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Chloromethane	ND	3.0		µg/L	1	10/15/2011 10:20:49 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
- 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: *01-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1110673	**Collection Date:**	10/12/2011 10:52:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
2-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/15/2011 10:20:49 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Dibromomethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/15/2011 10:20:49 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
2-Hexanone	ND	10		µg/L	1	10/15/2011 10:20:49 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/15/2011 10:20:49 AM
Methylene Chloride	ND	3.0		µg/L	1	10/15/2011 10:20:49 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Styrene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/15/2011 10:20:49 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/15/2011 10:20:49 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1110673	**Collection Date:**	10/12/2011 10:52:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Vinyl chloride	ND	1.0		µg/L	1	10/15/2011 10:20:49 AM
Xylenes, Total	ND	1.5		µg/L	1	10/15/2011 10:20:49 AM
Surr: 1,2-Dichloroethane-d4	94.9	70-130		%REC	1	10/15/2011 10:20:49 AM
Surr: 4-Bromofluorobenzene	96.0	73-131		%REC	1	10/15/2011 10:20:49 AM
Surr: Dibromofluoromethane	89.2	70-130		%REC	1	10/15/2011 10:20:49 AM
Surr: Toluene-d8	97.1	70-130		%REC	1	10/15/2011 10:20:49 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
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: *01-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1110673	**Collection Date:**	10/12/2011 2:16:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/21/2011 6:25:40 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/21/2011 6:25:40 AM
Surr: DNOP	108	81.1-147		%REC	1	10/21/2011 6:25:40 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.36	0.050		mg/L	1	10/17/2011 8:26:36 PM
Surr: BFB	1490	65.4-141	S	%REC	1	10/17/2011 8:26:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.22	0.10		mg/L	1	10/13/2011 7:20:32 PM
Chloride	2600	100		mg/L	200	10/22/2011 7:38:33 PM
Bromide	3.1	2.0		mg/L	20	10/13/2011 7:37:57 PM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	10/24/2011 3:33:40 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	10/13/2011 7:20:32 PM
Sulfate	1600	25		mg/L	50	10/22/2011 7:55:56 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.016	0.0020		mg/L	1	10/24/2011 2:28:42 PM
Cadmium	ND	0.0020		mg/L	1	10/24/2011 2:28:42 PM
Calcium	230	5.0		mg/L	5	10/26/2011 2:56:19 PM
Chromium	ND	0.0060		mg/L	1	10/24/2011 2:28:42 PM
Copper	ND	0.0060		mg/L	1	10/24/2011 2:28:42 PM
Iron	ND	0.10		mg/L	5	10/26/2011 2:56:19 PM
Lead	ND	0.0050		mg/L	1	10/24/2011 2:28:42 PM
Magnesium	76	5.0		mg/L	5	10/26/2011 2:56:19 PM
Manganese	0.24	0.0020		mg/L	1	10/24/2011 2:28:42 PM
Potassium	ND	5.0		mg/L	5	10/26/2011 2:56:19 PM
Silver	ND	0.0050		mg/L	1	10/24/2011 2:28:42 PM
Sodium	2200	50		mg/L	50	10/26/2011 2:59:27 PM
Zinc	0.11	0.010		mg/L	1	10/24/2011 2:28:42 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.031	0.0020		mg/L	1	10/19/2011 8:46:13 AM
Cadmium	ND	0.0020		mg/L	1	10/19/2011 8:46:13 AM
Chromium	0.11	0.0060		mg/L	1	10/19/2011 8:46:13 AM
Copper	ND	0.0060		mg/L	1	10/19/2011 8:46:13 AM
Iron	0.68	0.020		mg/L	1	10/19/2011 8:46:13 AM
Lead	ND	0.0050		mg/L	1	10/21/2011 1:43:33 PM
Manganese	0.16	0.0020		mg/L	1	10/19/2011 8:46:13 AM
Silver	ND	0.0050		mg/L	1	10/19/2011 8:46:13 AM

Qualifiers:

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- 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1110673	**Collection Date:**	10/12/2011 2:16:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Sodium	2000	50		mg/L	50	10/21/2011 1:58:04 PM
Zinc	ND	0.010		mg/L	1	10/21/2011 1:43:33 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0064	0.0050		mg/L	5	10/28/2011 1:50:59 PM
Selenium	0.015	0.0050		mg/L	5	10/28/2011 1:50:59 PM
Uranium	0.11	0.0050		mg/L	5	10/28/2011 1:50:59 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0052	0.0050		mg/L	5	10/27/2011 2:12:43 PM
Selenium	0.011	0.0050		mg/L	5	10/27/2011 2:12:43 PM
Uranium	0.12	0.0050		mg/L	5	10/27/2011 2:12:43 PM
EPA METHOD 245.1: MERCURY						Analyst: **BRM**
Mercury	ND	0.00020		mg/L	1	10/26/2011 12:55:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Toluene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Ethylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Methyl tert-butyl ether (MTBE)	7.9	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Naphthalene	ND	2.0		µg/L	1	10/15/2011 10:49:03 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 10:49:03 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 10:49:03 AM
Acetone	ND	10		µg/L	1	10/15/2011 10:49:03 AM
Bromobenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Bromoform	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Bromomethane	ND	3.0		µg/L	1	10/15/2011 10:49:03 AM
2-Butanone	ND	10		µg/L	1	10/15/2011 10:49:03 AM
Carbon disulfide	ND	10		µg/L	1	10/15/2011 10:49:03 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Chlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Chloroethane	ND	2.0		µg/L	1	10/15/2011 10:49:03 AM
Chloroform	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Chloromethane	ND	3.0		µg/L	1	10/15/2011 10:49:03 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
- 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: *01-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1110673	**Collection Date:**	10/12/2011 2:16:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
2-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/15/2011 10:49:03 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Dibromomethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/15/2011 10:49:03 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
2-Hexanone	ND	10		µg/L	1	10/15/2011 10:49:03 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/15/2011 10:49:03 AM
Methylene Chloride	ND	3.0		µg/L	1	10/15/2011 10:49:03 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Styrene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/15/2011 10:49:03 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/15/2011 10:49:03 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
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: *01-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1110673	**Collection Date:**	10/12/2011 2:16:00 PM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Vinyl chloride	ND	1.0		µg/L	1	10/15/2011 10:49:03 AM
Xylenes, Total	ND	1.5		µg/L	1	10/15/2011 10:49:03 AM
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%REC	1	10/15/2011 10:49:03 AM
Surr: 4-Bromofluorobenzene	101	73-131		%REC	1	10/15/2011 10:49:03 AM
Surr: Dibromofluoromethane	84.4	70-130		%REC	1	10/15/2011 10:49:03 AM
Surr: Toluene-d8	101	70-130		%REC	1	10/15/2011 10:49:03 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
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: *01-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110673	**Collection Date:**	10/12/2011 10:00:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Toluene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Ethylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Naphthalene	ND	2.0		µg/L	1	10/15/2011 11:17:19 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 11:17:19 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 11:17:19 AM
Acetone	ND	10		µg/L	1	10/15/2011 11:17:19 AM
Bromobenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Bromoform	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Bromomethane	ND	3.0		µg/L	1	10/15/2011 11:17:19 AM
2-Butanone	ND	10		µg/L	1	10/15/2011 11:17:19 AM
Carbon disulfide	ND	10		µg/L	1	10/15/2011 11:17:19 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Chlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Chloroethane	ND	2.0		µg/L	1	10/15/2011 11:17:19 AM
Chloroform	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Chloromethane	ND	3.0		µg/L	1	10/15/2011 11:17:19 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/15/2011 11:17:19 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Dibromomethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/15/2011 11:17:19 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 11:17:19 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

ˋall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110673	**Collection Date:**	10/12/2011 10:00:00 AM
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Hexachlorobutadiene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
2-Hexanone	ND	10		µg/L	1	10/15/2011 11:17:19 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/15/2011 11:17:19 AM
Methylene Chloride	ND	3.0		µg/L	1	10/15/2011 11:17:19 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Styrene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/15/2011 11:17:19 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/15/2011 11:17:19 AM
Vinyl chloride	ND	1.0		µg/L	1	10/15/2011 11:17:19 AM
Xylenes, Total	ND	1.5		µg/L	1	10/15/2011 11:17:19 AM
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%REC	1	10/15/2011 11:17:19 AM
Surr: 4-Bromofluorobenzene	91.9	73-131		%REC	1	10/15/2011 11:17:19 AM
Surr: Dibromofluoromethane	87.3	70-130		%REC	1	10/15/2011 11:17:19 AM
Surr: Toluene-d8	98.5	70-130		%REC	1	10/15/2011 11:17:19 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
- 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: *01-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1110673	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Toluene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Ethylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Naphthalene	ND	2.0		µg/L	1	10/15/2011 11:45:36 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 11:45:36 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/15/2011 11:45:36 AM
Acetone	ND	10		µg/L	1	10/15/2011 11:45:36 AM
Bromobenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Bromoform	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Bromomethane	ND	3.0		µg/L	1	10/15/2011 11:45:36 AM
2-Butanone	ND	10		µg/L	1	10/15/2011 11:45:36 AM
Carbon disulfide	ND	10		µg/L	1	10/15/2011 11:45:36 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Chlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Chloroethane	ND	2.0		µg/L	1	10/15/2011 11:45:36 AM
Chloroform	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Chloromethane	ND	3.0		µg/L	1	10/15/2011 11:45:36 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/15/2011 11:45:36 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Dibromomethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/15/2011 11:45:36 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 11:45:36 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1110673	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/13/2011
Lab ID:	1110673-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Hexachlorobutadiene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
2-Hexanone	ND	10		µg/L	1	10/15/2011 11:45:36 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/15/2011 11:45:36 AM
Methylene Chloride	ND	3.0		µg/L	1	10/15/2011 11:45:36 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Styrene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/15/2011 11:45:36 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
rans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/15/2011 11:45:36 AM
Vinyl chloride	ND	1.0		µg/L	1	10/15/2011 11:45:36 AM
Xylenes, Total	ND	1.5		µg/L	1	10/15/2011 11:45:36 AM
Surr: 1,2-Dichloroethane-d4	96.9	70-130		%REC	1	10/15/2011 11:45:36 AM
Surr: 4-Bromofluorobenzene	94.3	73-131		%REC	1	10/15/2011 11:45:36 AM
Surr: Dibromofluoromethane	90.2	70-130		%REC	1	10/15/2011 11:45:36 AM
Surr: Toluene-d8	96.5	70-130		%REC	1	10/15/2011 11:45:36 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
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: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-28946		*MBLK*				Batch ID:	**28946**	Analysis Date:	10/19/2011 7:22:10 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R48667**	Analysis Date:	10/26/2011 12:16:29 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-28946		*LCS*				Batch ID:	**28946**	Analysis Date:	10/19/2011 7:25:04 AM		
Arsenic	0.5528	mg/L	0.020	0.5	0	111	85	115			
Barium	0.5240	mg/L	0.0020	0.5	0	105	85	115			
Cadmium	0.5344	mg/L	0.0020	0.5	0	107	85	115			
Chromium	0.5184	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5324	mg/L	0.0060	0.5	0	106	85	115			
Iron	0.5139	mg/L	0.020	0.5	0	103	85	115			
Lead	0.5278	mg/L	0.0050	0.5	0	106	85	115			
Manganese	0.5119	mg/L	0.0020	0.5	0	102	85	115			
Selenium	0.5561	mg/L	0.050	0.5	0	111	85	115			
Silver	0.09063	mg/L	0.0050	0.1	0	90.6	85	115			
Sodium	52.56	mg/L	1.0	50	0	105	85	115			
Zinc	0.5139	mg/L	0.010	0.5	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48667**	Analysis Date:	10/26/2011 12:19:26 PM		
Barium	0.5040	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5216	mg/L	0.0020	0.5	0	104	85	115			
Calcium	49.85	mg/L	1.0	50	0	99.7	85	115			
Chromium	0.5036	mg/L	0.0060	0.5	0	101	85	115			

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

Cl. Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS		*LCS*				**Batch ID: R48667**		**Analysis Date: 10/26/2011 12:19:26 PM**			
Copper	*0.5016*	*mg/L*	*0.0060*	*0.5*	*0*	*100*	*85*	*115*			
Iron	0.4981	mg/L	0.020	0.5	0	99.6	85	115			
Lead	0.5022	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	51.14	mg/L	1.0	50	0	102	85	115			
Manganese	0.4894	mg/L	0.0020	0.5	0	97.9	85	115			
Potassium	*49.10*	*mg/L*	*1.0*	*50*	*0*	*98.2*	*85*	*115*			
Silver	0.1028	mg/L	0.0050	0.1	0	103	85	115			
Sodium	50.00	mg/L	1.0	50	0	100	85	115			
Zinc	0.4986	mg/L	0.010	0.5	0	99.7	85	115			

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: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48629**	Analysis Date:	10/24/2011 1:22:53 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R48667**	Analysis Date:	10/26/2011 12:16:29 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R48629**	Analysis Date:	10/24/2011 1:25:48 PM		
Barium	0.5161	mg/L	0.0020	0.5	0	103	85	115			
Cadmium	0.5229	mg/L	0.0020	0.5	0	105	85	115			
Chromium	0.5200	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5175	mg/L	0.0060	0.5	0	104	85	115			
Iron	0.4811	mg/L	0.020	0.5	0	96.2	85	115			
Lead	0.5044	mg/L	0.0050	0.5	0	101	85	115			
Manganese	0.5018	mg/L	0.0020	0.5	0	100	85	115			
Silver	0.09780	mg/L	0.0050	0.1	0	97.8	85	115			
Zinc	0.5052	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48667**	Analysis Date:	10/26/2011 12:19:26 PM		
Barium	0.5040	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5216	mg/L	0.0020	0.5	0	104	85	115			
Calcium	49.85	mg/L	1.0	50	0	99.7	85	115			
Chromium	0.5036	mg/L	0.0060	0.5	0	101	85	115			
Copper	0.5016	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4981	mg/L	0.020	0.5	0	99.6	85	115			
Lead	0.5022	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	51.14	mg/L	1.0	50	0	102	85	115			
Manganese	0.4894	mg/L	0.0020	0.5	0	97.9	85	115			
Potassium	49.10	mg/L	1.0	50	0	98.2	85	115			

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

Cli Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R48667**	Analysis Date:	10/26/2011 12:19:26 PM		
Silver	0.1028	mg/L	0.0050	0.1	0	103	85	115			
Sodium	50.00	mg/L	1.0	50	0	100	85	115			
Zinc	0.4986	mg/L	0.010	0.5	0	99.7	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:18:15 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:22:22 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02858	mg/L	0.0010	0.025	0	114	85	115			
Uranium	0.02608	mg/L	0.0010	0.025	0	104	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-28946		*MBLK*				Batch ID:	**28946**	Analysis Date:	10/27/2011 12:51:16 PM		
Arsenic	ND	mg/L	0.0025								
Cadmium	ND	mg/L	0.0025								
Cr	ND	mg/L	0.0025								
Lead	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:18:15 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48752**	Analysis Date:	10/28/2011 1:22:22 PM		
Arsenic	0.02682	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02858	mg/L	0.0010	0.025	0	114	85	115			
Uranium	0.02608	mg/L	0.0010	0.025	0	104	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-29085		*MBLK*				Batch ID:	**29085**	Analysis Date:	10/26/2011 12:41:21 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29085		*LCS*				Batch ID:	**29085**	Analysis Date:	10/26/2011 12:43:07 PM		
Mercury	0.005681	mg/L	0.00020	0.005	0	114	80	120			

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: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48414**	Analysis Date:	10/13/2011 10:55:38 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48414**	Analysis Date:	10/14/2011 5:12:33 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48584**	Analysis Date:	10/21/2011 5:31:40 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48584**	Analysis Date:	10/22/2011 9:11:50 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48587**	Analysis Date:	10/21/2011 6:13:08 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48414**	Analysis Date:	10/13/2011 11:13:02 AM		
Fluoride	0.5118	mg/L	0.10	0.5	0	102	90	110			
Chloride	5.019	mg/L	0.50	5	0	100	90	110			
Bromide	2.537	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.553	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.014	mg/L	0.50	5	0	100	90	110			
Sulfate	10.02	mg/L	0.50	10	0	100	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48414**	Analysis Date:	10/14/2011 5:29:58 AM		
Fluoride	0.5018	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.812	mg/L	0.50	5	0	96.2	90	110			
Bromide	2.430	mg/L	0.10	2.5	0	97.2	90	110			

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

Clie. Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	R48414	Analysis Date:	10/14/2011 5:29:58 AM		
Nitrate (As N)+Nitrite (As N)	3.448	mg/L	0.20	3.5	0	98.5	90	110			
Phosphorus, Orthophosphate (As P)	4.850	mg/L	0.50	5	0	97.0	90	110			
Sulfate	9.696	mg/L	0.50	10	0	97.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R48584	Analysis Date:	10/21/2011 5:49:04 PM		
Fluoride	0.4710	mg/L	0.10	0.5	0	94.2	90	110			
Chloride	4.786	mg/L	0.50	5	0	95.7	90	110			
Bromide	2.432	mg/L	0.10	2.5	0	97.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.431	mg/L	0.20	3.5	0	98.0	90	110			
Sulfate	9.736	mg/L	0.50	10	0	97.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R48584	Analysis Date:	10/22/2011 9:29:15 AM		
Fluoride	0.5008	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.875	mg/L	0.50	5	0	97.5	90	110			
Bromide	2.481	mg/L	0.10	2.5	0	99.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.512	mg/L	0.20	3.5	0	100	90	110			
Sulfate	9.875	mg/L	0.50	10	0	98.7	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R48587	Analysis Date:	10/21/2011 6:30:32 PM		
Fluoride	0.5500	mg/L	0.10	0.5	0	110	90	110			S
Chloride	4.895	mg/L	0.50	5	0	97.9	90	110			
Bromide	2.416	mg/L	0.10	2.5	0	96.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.525	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.069	mg/L	0.50	5	0	101	90	110			
Sulfate	9.935	mg/L	0.50	10	0	99.3	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28906		*MBLK*				Batch ID:	28906	Analysis Date:	10/20/2011 11:31:33 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28906		*LCS*				Batch ID:	28906	Analysis Date:	10/21/2011 12:00:16 AM		
Diesel Range Organics (DRO)	5.375	mg/L	1.0	5	0	107	74	157			
Sample ID: LCSD-28906		*LCSD*				Batch ID:	28906	Analysis Date:	10/21/2011 12:28:46 AM		
Diesel Range Organics (DRO)	5.174	mg/L	1.0	5	0	103	74	157	3.81	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	R48449	Analysis Date:	10/17/2011 1:47:08 PM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5 GRO LCS		*LCS*				Batch ID:	R48449	Analysis Date:	10/17/2011 3:13:54 PM		
Gasoline Range Organics (GRO)	0.5272	mg/L	0.050	0.5	0	105	92.1	117			
Sample ID: 2.5 GRO LCSD		*LCSD*				Batch ID:	R48449	Analysis Date:	10/17/2011 3:42:48 PM		
Gasoline Range Organics (GRO)	0.5280	mg/L	0.050	0.5	0	106	92.1	117	0.152	16.1	

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: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48445**		Analysis Date: **10/14/2011 2:34:15 PM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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

C : Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110673

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48445**	Analysis Date:	10/14/2011 2:34:15 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1 ichloropropane	ND	µg/L	2.0								
V. loride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R48445**	Analysis Date:	10/14/2011 3:31:26 PM		
Benzene	23.77	µg/L	1.0	20	0	119	81.1	130			
Toluene	20.66	µg/L	1.0	20	0	103	82.3	122			
Chlorobenzene	20.35	µg/L	1.0	20	0	102	70	130			
1,1-Dichloroethene	21.79	µg/L	1.0	20	0	109	83.1	126			
Trichloroethene (TCE)	19.46	µg/L	1.0	20	0	97.3	67.4	137			

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: 10/13/2011

Work Order Number 1110673 — Received by: LNM

Checklist completed by: Signature 10/13/11 Date — Sample ID labels checked by: Initials

Matrix: — Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
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 ☐ 10/13/11	N/A ☐	
Container/Temp Blank temperature?	1.3°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 6

(<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: OID ADD 0.4 mL HNO_3 FOR ACCEPTABLE PH 10/13/11

Corrective Action _____

Cha[illegible]of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM 87301
Phone #: 505 722-0833
email or Fax#: 505 863-0930
QA/QC Package: X Standard ☐ Level 4 (Full Validation)
Accreditation ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: X ☐ Standard ☐ Rush
Project Name: 2011 Annual
Project #: MW-4, SMW-2
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☐ Yes ☐ No
Sample Temperature: 1.3

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1110673	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) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss.	Major Cations / Anions	Air Bubbles (Y or N)
10/12/11	1052	AQ	MW-4			-1			X							X		X	X	X	
10/12/11	1416		SMW-2			2			X							X		X	X	X	
10/12/11	1000		Field Blank			3															
			Trip Blank			4															

Date	Time	Relinquished by:	Received by:	Date	Time
10/12/11	1500			10/13/11	0730
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:
FED EX # 87768 5080 2096

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, November 15, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual

Order No.: 1110C60

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 10/27/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1110C60	**Collection Date:**	10/26/2011 10:00:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/29/2011 7:00:07 AM
Surr: BFB	96.3	65.4-141		%REC	1	10/29/2011 7:00:07 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.34	0.10		mg/L	1	10/28/2011 12:18:53 AM
Chloride	500	25		mg/L	50	10/28/2011 5:15:12 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	10/28/2011 12:30:07 AM
Bromide	0.82	0.10		mg/L	1	10/28/2011 12:18:53 AM
Nitrogen, Nitrate (As N)	0.38	0.10		mg/L	1	10/28/2011 12:18:53 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	10/28/2011 12:18:53 AM
Sulfate	140	10		mg/L	20	10/28/2011 12:30:07 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.043	0.0020		mg/L	1	11/4/2011 4:03:46 PM
Cadmium	ND	0.0020		mg/L	1	11/4/2011 4:03:46 PM
Calcium	64	1.0		mg/L	1	11/4/2011 4:03:46 PM
Chromium	ND	0.0060		mg/L	1	11/4/2011 4:03:46 PM
Copper	ND	0.0060		mg/L	1	11/4/2011 4:03:46 PM
Iron	ND	0.020		mg/L	1	11/4/2011 4:03:46 PM
Lead	ND	0.0050		mg/L	1	11/4/2011 4:03:46 PM
Magnesium	9.2	1.0		mg/L	1	11/4/2011 4:03:46 PM
Manganese	0.040	0.0020		mg/L	1	11/4/2011 4:03:46 PM
Potassium	ND	1.0		mg/L	1	11/4/2011 4:03:46 PM
Silver	ND	0.0050		mg/L	1	11/4/2011 4:03:46 PM
Sodium	500	10		mg/L	10	11/4/2011 4:39:25 PM
Zinc	ND	0.010		mg/L	1	11/4/2011 4:03:46 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.045	0.0020		mg/L	1	11/7/2011 4:38:56 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 4:38:56 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 4:38:56 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 4:38:56 PM
Iron	ND	0.020		mg/L	1	11/7/2011 4:38:56 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 4:38:56 PM
Manganese	0.043	0.0020		mg/L	1	11/7/2011 4:38:56 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 4:38:56 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 4:38:56 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0010	0.0010		mg/L	1	11/10/2011 5:41:48 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1110C60	**Collection Date:**	10/26/2011 10:00:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Selenium	0.0079	0.0010		mg/L	1	11/10/2011 5:41:48 PM
Uranium	0.050	0.0050		mg/L	5	11/11/2011 2:04:59 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:09:16 PM
Selenium	0.0071	0.0025		mg/L	2.5	11/10/2011 12:09:16 PM
Uranium	0.051	0.0025		mg/L	2.5	11/10/2011 12:09:16 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/7/2011 1:00:11 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Toluene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Ethylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Methyl tert-butyl ether (MTBE)	38	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Naphthalene	ND	2.0		µg/L	1	10/31/2011 6:13:46 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 6:13:46 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 6:13:46 PM
Acetone	ND	10		µg/L	1	10/31/2011 6:13:46 PM
Bromobenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Bromoform	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Bromomethane	ND	3.0		µg/L	1	10/31/2011 6:13:46 PM
2-Butanone	ND	10		µg/L	1	10/31/2011 6:13:46 PM
Carbon disulfide	ND	10		µg/L	1	10/31/2011 6:13:46 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Chlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Chloroethane	ND	2.0		µg/L	1	10/31/2011 6:13:46 PM
Chloroform	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Chloromethane	ND	3.0		µg/L	1	10/31/2011 6:13:46 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2011 6:13:46 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1110C60	**Collection Date:**	10/26/2011 10:00:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Dibromomethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2011 6:13:46 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
2-Hexanone	ND	10		µg/L	1	10/31/2011 6:13:46 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2011 6:13:46 PM
Methylene Chloride	ND	3.0		µg/L	1	10/31/2011 6:13:46 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Styrene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2011 6:13:46 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2011 6:13:46 PM
Vinyl chloride	ND	1.0		µg/L	1	10/31/2011 6:13:46 PM
Xylenes, Total	ND	1.5		µg/L	1	10/31/2011 6:13:46 PM
Surr: 1,2-Dichloroethane-d4	82.0	70-130		%REC	1	10/31/2011 6:13:46 PM
Surr: 4-Bromofluorobenzene	97.4	73-131		%REC	1	10/31/2011 6:13:46 PM
Surr: Dibromofluoromethane	83.3	70-130		%REC	1	10/31/2011 6:13:46 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: *15-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1110C60	**Collection Date:**	10/26/2011 10:00:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Surr: Toluene-d8	87.9	70-130		%REC	1	10/31/2011 6:13:46 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1110C60	**Collection Date:**	10/27/2011 11:08:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/29/2011 7:28:49 AM
Surr: BFB	94.8	65.4-141		%REC	1	10/29/2011 7:28:49 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.30	0.10		mg/L	1	10/28/2011 12:12:01 PM
Chloride	65	10		mg/L	20	10/28/2011 12:23:14 PM
Bromide	0.21	0.10		mg/L	1	10/28/2011 12:12:01 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/31/2011 4:32:09 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/28/2011 12:12:01 PM
Sulfate	180	10		mg/L	20	10/28/2011 12:23:14 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.035	0.0020		mg/L	1	11/4/2011 4:09:56 PM
Cadmium	ND	0.0020		mg/L	1	11/4/2011 4:09:56 PM
Calcium	2.3	1.0		mg/L	1	11/4/2011 4:09:56 PM
Chromium	ND	0.0060		mg/L	1	11/4/2011 4:09:56 PM
Copper	ND	0.0060		mg/L	1	11/4/2011 4:09:56 PM
Iron	ND	0.020		mg/L	1	11/4/2011 4:09:56 PM
Lead	ND	0.0050		mg/L	1	11/4/2011 4:09:56 PM
Magnesium	ND	1.0		mg/L	1	11/4/2011 4:09:56 PM
Manganese	0.0059	0.0020		mg/L	1	11/4/2011 4:09:56 PM
Potassium	ND	1.0		mg/L	1	11/4/2011 4:09:56 PM
Silver	ND	0.0050		mg/L	1	11/4/2011 4:09:56 PM
Sodium	330	5.0		mg/L	5	11/4/2011 4:13:13 PM
Zinc	ND	0.010		mg/L	1	11/4/2011 4:09:56 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.036	0.0020		mg/L	1	11/7/2011 4:42:05 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 4:42:05 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 4:42:05 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 4:42:05 PM
Iron	0.042	0.020		mg/L	1	11/7/2011 4:42:05 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 4:42:05 PM
Manganese	0.013	0.0020		mg/L	1	11/7/2011 4:42:05 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 4:42:05 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 4:42:05 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	11/10/2011 5:43:49 PM
Selenium	0.0036	0.0010		mg/L	1	11/10/2011 5:43:49 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
- 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1110C60	**Collection Date:**	10/27/2011 11:08:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Uranium	0.040	0.0010		mg/L	1	11/11/2011 1:36:28 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:11:18 PM
Selenium	0.0035	0.0025		mg/L	2.5	11/10/2011 12:11:18 PM
Uranium	0.040	0.0025		mg/L	2.5	11/10/2011 12:11:18 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/7/2011 1:01:57 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Toluene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Ethylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Naphthalene	ND	2.0		µg/L	1	10/31/2011 6:41:37 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 6:41:37 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 6:41:37 PM
Acetone	ND	10		µg/L	1	10/31/2011 6:41:37 PM
Bromobenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Bromoform	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Bromomethane	ND	3.0		µg/L	1	10/31/2011 6:41:37 PM
2-Butanone	ND	10		µg/L	1	10/31/2011 6:41:37 PM
Carbon disulfide	ND	10		µg/L	1	10/31/2011 6:41:37 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Chlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Chloroethane	ND	2.0		µg/L	1	10/31/2011 6:41:37 PM
Chloroform	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Chloromethane	ND	3.0		µg/L	1	10/31/2011 6:41:37 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2011 6:41:37 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 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
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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1110C60	**Collection Date:**	10/27/2011 11:08:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromomethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2011 6:41:37 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
2-Hexanone	ND	10		µg/L	1	10/31/2011 6:41:37 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2011 6:41:37 PM
Methylene Chloride	ND	3.0		µg/L	1	10/31/2011 6:41:37 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Styrene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2011 6:41:37 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2011 6:41:37 PM
Vinyl chloride	ND	1.0		µg/L	1	10/31/2011 6:41:37 PM
Xylenes, Total	ND	1.5		µg/L	1	10/31/2011 6:41:37 PM
Surr: 1,2-Dichloroethane-d4	82.0	70-130		%REC	1	10/31/2011 6:41:37 PM
Surr: 4-Bromofluorobenzene	101	73-131		%REC	1	10/31/2011 6:41:37 PM
Surr: Dibromofluoromethane	86.6	70-130		%REC	1	10/31/2011 6:41:37 PM
Surr: Toluene-d8	84.6	70-130		%REC	1	10/31/2011 6:41:37 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
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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1110C60	**Collection Date:**	10/27/2011 11:08:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**

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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-12
Lab Order:	1110C60	**Collection Date:**	10/26/2011 12:18:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Toluene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Ethylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Naphthalene	ND	2.0		µg/L	1	10/31/2011 7:09:24 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 7:09:24 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 7:09:24 PM
Acetone	ND	10		µg/L	1	10/31/2011 7:09:24 PM
Bromobenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Bromoform	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Bromomethane	ND	3.0		µg/L	1	10/31/2011 7:09:24 PM
2-Butanone	ND	10		µg/L	1	10/31/2011 7:09:24 PM
Carbon disulfide	ND	10		µg/L	1	10/31/2011 7:09:24 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Chlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Chloroethane	ND	2.0		µg/L	1	10/31/2011 7:09:24 PM
Chloroform	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Chloromethane	ND	3.0		µg/L	1	10/31/2011 7:09:24 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2011 7:09:24 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Dibromomethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2011 7:09:24 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 7:09:24 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
- 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-12
Lab Order:	1110C60	**Collection Date:**	10/26/2011 12:18:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
2-Hexanone	ND	10		µg/L	1	10/31/2011 7:09:24 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2011 7:09:24 PM
Methylene Chloride	ND	3.0		µg/L	1	10/31/2011 7:09:24 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Styrene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2011 7:09:24 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2011 7:09:24 PM
Vinyl chloride	ND	1.0		µg/L	1	10/31/2011 7:09:24 PM
Xylenes, Total	ND	1.5		µg/L	1	10/31/2011 7:09:24 PM
Surr: 1,2-Dichloroethane-d4	86.3	70-130		%REC	1	10/31/2011 7:09:24 PM
Surr: 4-Bromofluorobenzene	93.5	73-131		%REC	1	10/31/2011 7:09:24 PM
Surr: Dibromofluoromethane	93.3	70-130		%REC	1	10/31/2011 7:09:24 PM
Surr: Toluene-d8	79.1	70-130		%REC	1	10/31/2011 7:09:24 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
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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1110C60	**Collection Date:**	10/26/2011 2:41:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.2	0.10		mg/L	1	10/28/2011 12:34:27 PM
Chloride	95	10		mg/L	20	10/28/2011 12:45:40 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	10/28/2011 12:34:27 PM
Bromide	0.19	0.10		mg/L	1	10/28/2011 12:34:27 PM
Nitrogen, Nitrate (As N)	0.77	0.10		mg/L	1	10/28/2011 12:34:27 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	10/28/2011 12:34:27 PM
Sulfate	940	25		mg/L	50	10/28/2011 5:26:27 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.0075	0.0020		mg/L	1	11/4/2011 4:16:22 PM
Cadmium	ND	0.0020		mg/L	1	11/4/2011 4:16:22 PM
Calcium	11	1.0		mg/L	1	11/4/2011 4:16:22 PM
Chromium	ND	0.0060		mg/L	1	11/4/2011 4:16:22 PM
Copper	ND	0.0060		mg/L	1	11/4/2011 4:16:22 PM
Iron	ND	0.020		mg/L	1	11/4/2011 4:16:22 PM
Lead	ND	0.0050		mg/L	1	11/4/2011 4:16:22 PM
Magnesium	1.2	1.0		mg/L	1	11/4/2011 4:16:22 PM
Manganese	0.016	0.0020		mg/L	1	11/4/2011 4:16:22 PM
Potassium	1.6	1.0		mg/L	1	11/4/2011 4:16:22 PM
Silver	ND	0.0050		mg/L	1	11/4/2011 4:16:22 PM
Sodium	640	10		mg/L	10	11/4/2011 4:42:26 PM
Zinc	0.11	0.010		mg/L	1	11/4/2011 4:16:22 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.0077	0.0020		mg/L	1	11/7/2011 4:54:10 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 4:54:10 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 4:54:10 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 4:54:10 PM
Iron	ND	0.020		mg/L	1	11/7/2011 4:54:10 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 4:54:10 PM
Manganese	0.016	0.0020		mg/L	1	11/7/2011 4:54:10 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 4:54:10 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 4:54:10 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0020	0.0010		mg/L	1	11/10/2011 5:45:51 PM
Selenium	0.0034	0.0010		mg/L	1	11/10/2011 5:45:51 PM
Uranium	0.22	0.010		mg/L	10	11/11/2011 2:06:28 PM
EPA 200.8: METALS						Analyst: **SNV**

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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1110C60	**Collection Date:**	10/26/2011 2:41:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:13:19 PM
Selenium	0.0030	0.0025		mg/L	2.5	11/10/2011 12:13:19 PM
Uranium	0.21	0.0050		mg/L	5	11/10/2011 1:46:27 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/7/2011 1:03:43 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Acenaphthylene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Aniline	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Anthracene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Azobenzene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Benz(a)anthracene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Benzoic acid	ND	20		µg/L	1	11/7/2011 6:11:41 PM
Benzyl alcohol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/7/2011 6:11:41 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Carbazole	ND	10		µg/L	1	11/7/2011 6:11:41 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
4-Chloroaniline	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2-Chlorophenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Chrysene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Dibenzofuran	ND	10		µg/L	1	11/7/2011 6:11:41 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 6:11:41 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1110C60	**Collection Date:**	10/26/2011 2:41:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Diethyl phthalate	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Dimethyl phthalate	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/7/2011 6:11:41 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/7/2011 6:11:41 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/7/2011 6:11:41 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Fluoranthene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Fluorene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Hexachlorobenzene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Hexachloroethane	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Isophorone	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2-Methylphenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
3+4-Methylphenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/7/2011 6:11:41 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/7/2011 6:11:41 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Naphthalene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2-Nitroaniline	ND	10		µg/L	1	11/7/2011 6:11:41 PM
3-Nitroaniline	ND	10		µg/L	1	11/7/2011 6:11:41 PM
4-Nitroaniline	ND	20		µg/L	1	11/7/2011 6:11:41 PM
Nitrobenzene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2-Nitrophenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
4-Nitrophenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Pentachlorophenol	ND	20		µg/L	1	11/7/2011 6:11:41 PM
Phenanthrene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Phenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Pyrene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Pyridine	ND	10		µg/L	1	11/7/2011 6:11:41 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/7/2011 6:11:41 PM
Surr: 2,4,6-Tribromophenol	87.6	18.1-138		%REC	1	11/7/2011 6:11:41 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1110C60	**Collection Date:**	10/26/2011 2:41:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorobiphenyl	77.2	25.9-101		%REC	1	11/7/2011 6:11:41 PM
Surr: 2-Fluorophenol	58.4	12.5-93.2		%REC	1	11/7/2011 6:11:41 PM
Surr: 4-Terphenyl-d14	68.9	29.5-112		%REC	1	11/7/2011 6:11:41 PM
Surr: Nitrobenzene-d5	89.6	20.5-120		%REC	1	11/7/2011 6:11:41 PM
Surr: Phenol-d5	42.9	11.3-73.2		%REC	1	11/7/2011 6:11:41 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Toluene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Ethylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Naphthalene	ND	2.0		µg/L	1	10/31/2011 7:37:11 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 7:37:11 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 7:37:11 PM
Acetone	ND	10		µg/L	1	10/31/2011 7:37:11 PM
Bromobenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Bromoform	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Bromomethane	ND	3.0		µg/L	1	10/31/2011 7:37:11 PM
2-Butanone	ND	10		µg/L	1	10/31/2011 7:37:11 PM
Carbon disulfide	ND	10		µg/L	1	10/31/2011 7:37:11 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Chlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Chloroethane	ND	2.0		µg/L	1	10/31/2011 7:37:11 PM
Chloroform	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Chloromethane	ND	3.0		µg/L	1	10/31/2011 7:37:11 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2011 7:37:11 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Dibromomethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1110C60	**Collection Date:**	10/26/2011 2:41:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2011 7:37:11 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
2-Hexanone	ND	10		µg/L	1	10/31/2011 7:37:11 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2011 7:37:11 PM
Methylene Chloride	ND	3.0		µg/L	1	10/31/2011 7:37:11 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Styrene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2011 7:37:11 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2011 7:37:11 PM
Vinyl chloride	ND	1.0		µg/L	1	10/31/2011 7:37:11 PM
Xylenes, Total	ND	1.5		µg/L	1	10/31/2011 7:37:11 PM
Surr: 1,2-Dichloroethane-d4	85.9	70-130		%REC	1	10/31/2011 7:37:11 PM
Surr: 4-Bromofluorobenzene	97.5	73-131		%REC	1	10/31/2011 7:37:11 PM
Surr: Dibromofluoromethane	89.6	70-130		%REC	1	10/31/2011 7:37:11 PM
Surr: Toluene-d8	79.8	70-130		%REC	1	10/31/2011 7:37:11 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-2
Lab Order:	1110C60	**Collection Date:**	10/26/2011 3:15:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	10/28/2011 12:56:54 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	10/28/2011 12:56:54 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.016	0.0020		mg/L	1	11/4/2011 4:31:48 PM
Cadmium	ND	0.0020		mg/L	1	11/4/2011 4:31:48 PM
Chromium	ND	0.0060		mg/L	1	11/4/2011 4:31:48 PM
Copper	ND	0.0060		mg/L	1	11/4/2011 4:31:48 PM
Iron	ND	0.020		mg/L	1	11/4/2011 4:31:48 PM
Lead	ND	0.0050		mg/L	1	11/4/2011 4:31:48 PM
Manganese	0.060	0.0020		mg/L	1	11/4/2011 4:31:48 PM
Silver	ND	0.0050		mg/L	1	11/4/2011 4:31:48 PM
Zinc	0.045	0.010		mg/L	1	11/4/2011 4:31:48 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.016	0.0020		mg/L	1	11/7/2011 4:57:33 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 4:57:33 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 4:57:33 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 4:57:33 PM
Iron	0.29	0.020		mg/L	1	11/7/2011 4:57:33 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 4:57:33 PM
Manganese	0.058	0.0020	*	mg/L	1	11/7/2011 4:57:33 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 4:57:33 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 4:57:33 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	11/10/2011 5:47:58 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 5:47:58 PM
Uranium	0.0022	0.0010		mg/L	1	11/11/2011 1:42:30 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:15:20 PM
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 12:15:20 PM
Uranium	ND	0.0025		mg/L	2.5	11/10/2011 12:15:20 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/7/2011 1:05:30 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/7/2011 6:40:54 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-2
Lab Order:	1110C60	**Collection Date:**	10/26/2011 3:15:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthylene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Aniline	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Anthracene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Azobenzene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Benz(a)anthracene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Benzoic acid	ND	20		µg/L	1	11/7/2011 6:40:54 PM
Benzyl alcohol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/7/2011 6:40:54 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Carbazole	ND	10		µg/L	1	11/7/2011 6:40:54 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
4-Chloroaniline	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2-Chlorophenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Chrysene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Dibenzofuran	ND	10		µg/L	1	11/7/2011 6:40:54 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Diethyl phthalate	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Dimethyl phthalate	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/7/2011 6:40:54 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/7/2011 6:40:54 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/7/2011 6:40:54 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 6:40:54 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: *15-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-2
Lab Order:	1110C60	**Collection Date:**	10/26/2011 3:15:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Fluorene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Hexachlorobenzene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Hexachloroethane	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Isophorone	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2-Methylphenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
3+4-Methylphenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/7/2011 6:40:54 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/7/2011 6:40:54 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Naphthalene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2-Nitroaniline	ND	10		µg/L	1	11/7/2011 6:40:54 PM
3-Nitroaniline	ND	10		µg/L	1	11/7/2011 6:40:54 PM
4-Nitroaniline	ND	20		µg/L	1	11/7/2011 6:40:54 PM
Nitrobenzene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2-Nitrophenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
4-Nitrophenol	ND	10	*	µg/L	1	11/7/2011 6:40:54 PM
Pentachlorophenol	ND	20		µg/L	1	11/7/2011 6:40:54 PM
Phenanthrene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Phenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Pyrene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Pyridine	ND	10		µg/L	1	11/7/2011 6:40:54 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/7/2011 6:40:54 PM
Surr: 2,4,6-Tribromophenol	91.2	18.1-138		%REC	1	11/7/2011 6:40:54 PM
Surr: 2-Fluorobiphenyl	79.0	25.9-101		%REC	1	11/7/2011 6:40:54 PM
Surr: 2-Fluorophenol	55.0	12.5-93.2		%REC	1	11/7/2011 6:40:54 PM
Surr: 4-Terphenyl-d14	68.0	29.5-112		%REC	1	11/7/2011 6:40:54 PM
Surr: Nitrobenzene-d5	80.6	20.5-120		%REC	1	11/7/2011 6:40:54 PM
Surr: Phenol-d5	40.2	11.3-73.2		%REC	1	11/7/2011 6:40:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Toluene	ND	1.0		µg/L	1	10/31/2011 8:05:02 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-2
Lab Order:	1110C60	**Collection Date:**	10/26/2011 3:15:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Ethylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Naphthalene	ND	2.0		µg/L	1	10/31/2011 8:05:02 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 8:05:02 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 8:05:02 PM
Acetone	ND	10		µg/L	1	10/31/2011 8:05:02 PM
Bromobenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Bromoform	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Bromomethane	ND	3.0		µg/L	1	10/31/2011 8:05:02 PM
2-Butanone	ND	10		µg/L	1	10/31/2011 8:05:02 PM
Carbon disulfide	ND	10		µg/L	1	10/31/2011 8:05:02 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Chlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Chloroethane	ND	2.0		µg/L	1	10/31/2011 8:05:02 PM
Chloroform	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Chloromethane	ND	3.0		µg/L	1	10/31/2011 8:05:02 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2011 8:05:02 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Dibromomethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2011 8:05:02 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
2-Hexanone	ND	10		µg/L	1	10/31/2011 8:05:02 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-2
Lab Order:	1110C60	**Collection Date:**	10/26/2011 3:15:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2011 8:05:02 PM
Methylene Chloride	ND	3.0		µg/L	1	10/31/2011 8:05:02 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Styrene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2011 8:05:02 PM
Tetrachloroethene (PCE)	7.3	1.0		µg/L	1	10/31/2011 8:05:02 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2011 8:05:02 PM
Vinyl chloride	ND	1.0		µg/L	1	10/31/2011 8:05:02 PM
Xylenes, Total	ND	1.5		µg/L	1	10/31/2011 8:05:02 PM
Surr: 1,2-Dichloroethane-d4	83.2	70-130		%REC	1	10/31/2011 8:05:02 PM
Surr: 4-Bromofluorobenzene	108	73-131		%REC	1	10/31/2011 8:05:02 PM
Surr: Dibromofluoromethane	86.5	70-130		%REC	1	10/31/2011 8:05:02 PM
Surr: Toluene-d8	80.8	70-130		%REC	1	10/31/2011 8:05:02 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110C60	**Collection Date:**	10/26/2011 8:20:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Toluene	1.7	1.0		µg/L	1	10/31/2011 8:32:53 PM
Ethylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Naphthalene	ND	2.0		µg/L	1	10/31/2011 8:32:53 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 8:32:53 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 8:32:53 PM
Acetone	ND	10		µg/L	1	10/31/2011 8:32:53 PM
Bromobenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Bromoform	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Bromomethane	ND	3.0		µg/L	1	10/31/2011 8:32:53 PM
2-Butanone	ND	10		µg/L	1	10/31/2011 8:32:53 PM
Carbon disulfide	ND	10		µg/L	1	10/31/2011 8:32:53 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Chlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Chloroethane	ND	2.0		µg/L	1	10/31/2011 8:32:53 PM
Chloroform	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Chloromethane	ND	3.0		µg/L	1	10/31/2011 8:32:53 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2011 8:32:53 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Dibromomethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2011 8:32:53 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 8:32:53 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110C60	**Collection Date:**	10/26/2011 8:20:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
2-Hexanone	ND	10		µg/L	1	10/31/2011 8:32:53 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2011 8:32:53 PM
Methylene Chloride	ND	3.0		µg/L	1	10/31/2011 8:32:53 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Styrene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2011 8:32:53 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2011 8:32:53 PM
Vinyl chloride	ND	1.0		µg/L	1	10/31/2011 8:32:53 PM
Xylenes, Total	ND	1.5		µg/L	1	10/31/2011 8:32:53 PM
Surr: 1,2-Dichloroethane-d4	81.5	70-130		%REC	1	10/31/2011 8:32:53 PM
Surr: 4-Bromofluorobenzene	93.4	73-131		%REC	1	10/31/2011 8:32:53 PM
Surr: Dibromofluoromethane	84.4	70-130		%REC	1	10/31/2011 8:32:53 PM
Surr: Toluene-d8	81.9	70-130		%REC	1	10/31/2011 8:32:53 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1110C60	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Toluene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Ethylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Naphthalene	ND	2.0		µg/L	1	10/31/2011 9:00:45 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 9:00:45 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2011 9:00:45 PM
Acetone	ND	10		µg/L	1	10/31/2011 9:00:45 PM
Bromobenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Bromoform	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Bromomethane	ND	3.0		µg/L	1	10/31/2011 9:00:45 PM
2-Butanone	ND	10		µg/L	1	10/31/2011 9:00:45 PM
Carbon disulfide	ND	10		µg/L	1	10/31/2011 9:00:45 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Chlorobenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Chloroethane	ND	2.0		µg/L	1	10/31/2011 9:00:45 PM
Chloroform	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Chloromethane	ND	3.0		µg/L	1	10/31/2011 9:00:45 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2011 9:00:45 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Dibromomethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2011 9:00:45 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 9:00:45 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1110C60	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C60-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
2-Hexanone	ND	10		µg/L	1	10/31/2011 9:00:45 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2011 9:00:45 PM
Methylene Chloride	ND	3.0		µg/L	1	10/31/2011 9:00:45 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Styrene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2011 9:00:45 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2011 9:00:45 PM
Vinyl chloride	ND	1.0		µg/L	1	10/31/2011 9:00:45 PM
Xylenes, Total	ND	1.5		µg/L	1	10/31/2011 9:00:45 PM
Surr: 1,2-Dichloroethane-d4	82.1	70-130		%REC	1	10/31/2011 9:00:45 PM
Surr: 4-Bromofluorobenzene	97.5	73-131		%REC	1	10/31/2011 9:00:45 PM
Surr: Dibromofluoromethane	84.6	70-130		%REC	1	10/31/2011 9:00:45 PM
Surr: Toluene-d8	80.2	70-130		%REC	1	10/31/2011 9:00:45 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

Anatek Labs, Inc.

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111101026
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1110C60
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111101026-001	**Sampling Date**	10/26/2011	**Date/Time Received**	11/1/2011 12:00 PM
Client Sample ID	1110C60-05G / PW-2	**Sampling Time**	3:15 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	11/8/2011	CRW	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48897**	Analysis Date:	11/4/2011 2:27:34 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-29232		*MBLK*				Batch ID:	**29232**	Analysis Date:	11/7/2011 4:14:20 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
	ND	mg/L	0.020								
	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R48897**	Analysis Date:	11/4/2011 2:30:27 PM		
Barium	0.5014	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5154	mg/L	0.0020	0.5	0	103	85	115			
Calcium	51.55	mg/L	1.0	50	0	103	85	115			
Chromium	0.5019	mg/L	0.0060	0.5	0.0005	100	85	115			
Copper	0.4846	mg/L	0.0060	0.5	0	96.9	85	115			
Iron	0.5022	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5046	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	51.77	mg/L	1.0	50	0.0083	104	85	115			
Manganese	0.4892	mg/L	0.0020	0.5	0	97.8	85	115			
Potassium	49.98	mg/L	1.0	50	0	100	85	115			
Silver	0.1039	mg/L	0.0050	0.1	0	104	85	115			
Sodium	50.98	mg/L	1.0	50	0	102	85	115			
Zinc	0.5057	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS-29232		*LCS*				Batch ID:	**29232**	Analysis Date:	11/7/2011 4:17:11 PM		
Arsenic	0.5389	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5017	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5197	mg/L	0.0020	0.5	0	104	85	115			
Chromium	0.5082	mg/L	0.0060	0.5	0.0004	102	85	115			
Copper	0.4974	mg/L	0.0060	0.5	0.0010	99.3	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS-29232		*LCS*				Batch ID:	**29232**	Analysis Date:	11/7/2011 4:17:11 PM		
Iron	0.5076	mg/L	0.020	0.5	0	102	85	115			
Lead	0.4989	mg/L	0.0050	0.5	0.0016	99.5	85	115			
Manganese	0.4914	mg/L	0.0020	0.5	0	98.3	85	115			
Silver	0.1044	mg/L	0.0050	0.1	0	104	85	115			
Zinc	0.5109	mg/L	0.010	0.5	0.0013	102	85	115			
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48897**	Analysis Date:	11/4/2011 2:27:34 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R48897**	Analysis Date:	11/4/2011 2:30:27 PM		
Barium	0.5014	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5154	mg/L	0.0020	0.5	0	103	85	115			
Calcium	51.55	mg/L	1.0	50	0	103	85	115			
Chromium	0.5019	mg/L	0.0060	0.5	0.0005	100	85	115			
Copper	0.4848	mg/L	0.0060	0.5	0	96.9	85	115			
Iron	0.5022	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5046	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	51.77	mg/L	1.0	50	0.0083	104	85	115			
Manganese	0.4892	mg/L	0.0020	0.5	0	97.8	85	115			
Potassium	49.98	mg/L	1.0	50	0	100	85	115			
Silver	0.1039	mg/L	0.0050	0.1	0	104	85	115			
Sodium	50.98	mg/L	1.0	50	0	102	85	115			
Zinc	0.5057	mg/L	0.010	0.5	0	101	85	115			

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: 2011 Annual
Work Order: 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:23:00 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
Arsenic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02792	mg/L	0.0010	0.025	0	112	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:24:31 PM		
Uranium	0.02648	mg/L	0.0010	0.025	0	106	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-29232		*MBLK*				Batch ID:	**29232**	Analysis Date:	11/10/2011 12:01:11 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
[illegible]ic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
[illegible]nium	0.02792	mg/L	0.0010	0.025	0	112	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-29237		*MBLK*				Batch ID:	**29237**	Analysis Date:	11/7/2011 12:36:59 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29237		*LCS*				Batch ID:	**29237**	Analysis Date:	11/7/2011 12:38:46 PM		
Mercury	0.004924	mg/L	0.00020	0.005	0	98.5	80	120			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48712**	Analysis Date:	10/27/2011 9:19:13 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48751**	Analysis Date:	10/28/2011 11:49:33 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48751**	Analysis Date:	10/29/2011 12:10:45 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48769**	Analysis Date:	10/31/2011 1:43:44 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48712**	Analysis Date:	10/27/2011 9:30:26 PM		
Fluoride	0.5080	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.722	mg/L	0.50	5	0	94.4	90	110			
Nitrogen, Nitrite (As N)	0.9121	mg/L	0.10	1	0	91.2	90	110			
Bromide	2.255	mg/L	0.10	2.5	0	90.2	90	110			
Nitrogen, Nitrate (As N)	2.389	mg/L	0.10	2.5	0	95.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.301	mg/L	0.20	3.5	0	94.3	90	110			
Phosphorus, Orthophosphate (As P)	4.868	mg/L	0.50	5	0	97.4	90	110			
Sulfate	9.650	mg/L	0.50	10	0	96.5	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48751**	Analysis Date:	10/28/2011 12:00:47 PM		

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
ect: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R48751**	Analysis Date:	10/28/2011 12:00:47 PM		
Fluoride	0.5346	mg/L	0.10	0.5	0	107	90	110			
Chloride	5.249	mg/L	0.50	5	0	105	90	110			
Nitrogen, Nitrite (As N)	1.039	mg/L	0.10	1	0	104	90	110			
Bromide	2.593	mg/L	0.10	2.5	0	104	90	110			
Nitrogen, Nitrate (As N)	2.682	mg/L	0.10	2.5	0	107	90	110			
Nitrate (As N)+Nitrite (As N)	3.721	mg/L	0.20	3.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.243	mg/L	0.50	5	0	105	90	110			
Sulfate	10.74	mg/L	0.50	10	0	107	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48751**	Analysis Date:	10/29/2011 12:21:59 AM		
Fluoride	0.5135	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.852	mg/L	0.50	5	0	97.0	90	110			
Nitrogen, Nitrite (As N)	0.9591	mg/L	0.10	1	0	95.9	90	110			
Bromide	2.400	mg/L	0.10	2.5	0	96.0	90	110			
Nitrogen, Nitrate (As N)	2.464	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.987	mg/L	0.50	5	0	99.7	90	110			
Sulfate	9.840	mg/L	0.50	10	0	98.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48769**	Analysis Date:	10/31/2011 1:54:58 PM		
Fluoride	0.5108	mg/L	0.10	0.5	0	102	90	110			
·ide	4.868	mg/L	0.50	5	0	97.4	90	110			
de	2.332	mg/L	0.10	2.5	0	93.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.412	mg/L	0.20	3.5	0	97.5	90	110			
Phosphorus, Orthophosphate (As P)	4.957	mg/L	0.50	5	0	99.1	90	110			
Sulfate	9.870	mg/L	0.50	10	0	98.7	90	110			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48748**	Analysis Date:	10/28/2011 10:38:00 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48748**	Analysis Date:	10/28/2011 12:33:30 PM		
Gasoline Range Organics (GRO)	0.5560	mg/L	0.050	0.5	0	111	92.1	117			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48780**		**Analysis Date: 10/31/2011 11:16:13 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
ct: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R48780**		**Analysis Date: 10/31/2011 11:16:13 AM**			
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
s, Total	ND	µg/L	1.5								
.e ID: 100ng lcs		*LCS*				**Batch ID: R48780**		**Analysis Date: 10/31/2011 12:39:24 PM**			
Benzene	22.40	µg/L	1.0	20	0	112	81.1	130			
Toluene	20.03	µg/L	1.0	20	0	100	82.3	122			
Chlorobenzene	18.72	µg/L	1.0	20	0	93.6	70	130			
1,1-Dichloroethene	20.51	µg/L	1.0	20	0	103	83.1	126			
Trichloroethene (TCE)	20.46	µg/L	1.0	20	0	102	67.4	137			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29141		*MBLK*				Batch ID: **29141**		Analysis Date: 11/7/2011 2:18:01 PM			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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
ect: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29141		*MBLK*				**Batch ID: 29141**		**Analysis Date:**		**11/7/2011 2:18:01 PM**	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
nthrene	ND	µg/L	10								
l	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29141		*LCS*				**Batch ID: 29141**		**Analysis Date:**		**11/7/2011 2:47:13 PM**	
Acenaphthene	81.20	µg/L	10	100	0	81.2	37.7	119			
4-Chloro-3-methylphenol	147.3	µg/L	10	200	0	73.6	48.8	104			
2-Chlorophenol	146.4	µg/L	10	200	0	73.2	38.2	109			
1,4-Dichlorobenzene	63.74	µg/L	10	100	0	63.7	33.7	99.1			
2,4-Dinitrotoluene	75.48	µg/L	10	100	0	75.5	39.9	125			
N-Nitrosodi-n-propylamine	72.00	µg/L	10	100	0	72.0	43.8	95.1			
4-Nitrophenol	94.50	µg/L	10	200	0	47.3	21.7	68.6			
Pentachlorophenol	106.2	µg/L	20	200	0	53.1	26.7	107			
Phenol	92.38	µg/L	10	200	0	46.2	23.9	65.8			
Pyrene	66.80	µg/L	10	100	0	66.8	45.7	107			
1,2,4-Trichlorobenzene	56.76	µg/L	10	100	0	56.8	30.8	104			
Sample ID: lcsd-29141		*LCSD*				**Batch ID: 29141**		**Analysis Date:**		**11/7/2011 3:16:26 PM**	
Acenaphthene	79.16	µg/L	10	100	0	79.2	37.7	119	2.54	20	
4-Chloro-3-methylphenol	155.2	µg/L	10	200	0	77.6	48.8	104	5.22	20	
2-Chlorophenol	153.1	µg/L	10	200	0	76.6	38.2	109	4.45	20	
1,4-Dichlorobenzene	64.22	µg/L	10	100	0	64.2	33.7	99.1	0.750	20	

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110C60

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-29141		*LCSD*				Batch ID:	**29141**	Analysis Date:		11/7/2011 3:16:26 PM	
2,4-Dinitrotoluene	77.54	µg/L	10	100	0	77.5	39.9	125	2.69	20	
N-Nitrosodi-n-propylamine	69.58	µg/L	10	100	0	69.6	43.8	95.1	3.42	20	
4-Nitrophenol	99.24	µg/L	10	200	0	49.6	21.7	68.6	4.89	20	
Pentachlorophenol	112.3	µg/L	20	200	0	56.2	26.7	107	5.58	20	
Phenol	91.32	µg/L	10	200	0	45.7	23.9	65.8	1.15	20	
Pyrene	71.88	µg/L	10	100	0	71.9	45.7	107	7.33	20	
1,2,4-Trichlorobenzene	59.94	µg/L	10	100	0	59.9	30.8	104	5.45	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 10/27/2011

Work Order Number 1110C60 | Received by: AT

Checklist completed by: Michelle Garcia (Signature) 10/27/11 (Date) | Sample ID labels checked by: (Initials)

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☑	mj 10/28
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 ☐	
ater - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12,1

(<2 >12 unless noted below)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1mL HNO_3 to -01C and -02C for acceptable pH. mj 10/28/11

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 ~~505~~ Gallup, NM

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: 2011 Annual

Project #: OW, PW Wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0

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. 1110661	Analysis Request: 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~~ Nitrates	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA) + phenols	Total Metals	Dissolved Metals	Anions + Cations	Cyanide	Air Bubbles (Y or N)
10/26/11	1000	AQ	OW-10			-1		X								X		X	X	X		
	1108		OW-01			-2		X								X		X	X	X		
	1218		OW-12			-3										X						
	1441		OW-11			-4										X	X	X	X	X		
	1515		PW-2			-5							X			X	X	X	X		X	
	0820		Field Blank			-6										X						
			Trip Blank			-7																

Date	Time	Relinquished by:	Received by:	Date	Time
10/26/11	1433			10/26/11	1433
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laborator... ...s serves as notice of this possibility. Any sub-contracted data will be clearly notated on the anal... ...ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, November 15, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 2011 Annual

Order No.: 1110D30

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 10/31/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2 Inlet
Lab Order:	1110D30	**Collection Date:**	10/31/2011 9:15:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	39	1.0		mg/L	1	11/2/2011 11:43:59 AM
Motor Oil Range Organics (MRO)	6.9	5.0		mg/L	1	11/2/2011 11:43:59 AM
Surr: DNOP	117	81.1-147		%REC	1	11/2/2011 11:43:59 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	1.7	0.25		mg/L	5	11/2/2011 6:17:49 PM
Surr: BFB	101	65.4-141		%REC	5	11/2/2011 6:17:49 PM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	410	2.0		mg/L	1	11/7/2011 4:27:00 AM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Toluene	6.3	5.0		µg/L	5	11/2/2011 12:59:32 PM
Ethylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Naphthalene	ND	10		µg/L	5	11/2/2011 12:59:32 PM
1-Methylnaphthalene	ND	20		µg/L	5	11/2/2011 12:59:32 PM
2-Methylnaphthalene	ND	20		µg/L	5	11/2/2011 12:59:32 PM
Acetone	860	50		µg/L	5	11/2/2011 12:59:32 PM
Bromobenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Bromodichloromethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Bromoform	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Bromomethane	ND	15		µg/L	5	11/2/2011 12:59:32 PM
2-Butanone	140	50		µg/L	5	11/2/2011 12:59:32 PM
Carbon disulfide	ND	50		µg/L	5	11/2/2011 12:59:32 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Chlorobenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Chloroethane	ND	10		µg/L	5	11/2/2011 12:59:32 PM
Chloroform	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Chloromethane	ND	15		µg/L	5	11/2/2011 12:59:32 PM
2-Chlorotoluene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
4-Chlorotoluene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
cis-1,2-DCE	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/2/2011 12:59:32 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2 Inlet
Lab Order:	1110D30	**Collection Date:**	10/31/2011 9:15:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromochloromethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Dibromomethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
2,2-Dichloropropane	ND	10		µg/L	5	11/2/2011 12:59:32 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
2-Hexanone	ND	50		µg/L	5	11/2/2011 12:59:32 PM
Isopropylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/2/2011 12:59:32 PM
Methylene Chloride	ND	15		µg/L	5	11/2/2011 12:59:32 PM
n-Butylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
n-Propylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
sec-Butylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Styrene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
tert-Butylbenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/2/2011 12:59:32 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
trans-1,2-DCE	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/2/2011 12:59:32 PM
Vinyl chloride	ND	5.0		µg/L	5	11/2/2011 12:59:32 PM
Xylenes, Total	ND	7.5		µg/L	5	11/2/2011 12:59:32 PM
Surr: 1,2-Dichloroethane-d4	90.0	70-130		%REC	5	11/2/2011 12:59:32 PM
Surr: 4-Bromofluorobenzene	104	73-131		%REC	5	11/2/2011 12:59:32 PM
Surr: Dibromofluoromethane	92.1	70-130		%REC	5	11/2/2011 12:59:32 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2 Inlet
Lab Order:	1110D30	**Collection Date:**	10/31/2011 9:15:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Surr: Toluene-d8	99.6	70-130		%REC	5	11/2/2011 12:59:32 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	6730	100		mg/L	1	11/3/2011 5:29:00 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
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: *15-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1110D30	**Collection Date:**	10/31/2011 8:45:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	10/31/2011 8:50:26 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**
Barium	0.011	0.0020		mg/L	1	11/8/2011 7:46:55 AM
Cadmium	ND	0.0020		mg/L	1	11/8/2011 7:46:55 AM
Chromium	ND	0.0060		mg/L	1	11/8/2011 7:46:55 AM
Copper	ND	0.0060		mg/L	1	11/8/2011 7:46:55 AM
Iron	0.079	0.020		mg/L	1	11/8/2011 7:46:55 AM
Lead	ND	0.0050		mg/L	1	11/8/2011 7:46:55 AM
Manganese	0.0035	0.0020		mg/L	1	11/8/2011 7:46:55 AM
Silver	ND	0.0050		mg/L	1	11/8/2011 7:46:55 AM
Zinc	0.060	0.010		mg/L	1	11/8/2011 7:46:55 AM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.010	0.0020		mg/L	1	11/9/2011 4:29:52 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 4:29:52 PM
Chromium	ND	0.0060		mg/L	1	11/9/2011 4:29:52 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 4:29:52 PM
Iron	0.090	0.020		mg/L	1	11/9/2011 4:29:52 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 4:29:52 PM
Manganese	0.0030	0.0020		mg/L	1	11/9/2011 4:29:52 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 4:29:52 PM
Zinc	0.023	0.010		mg/L	1	11/9/2011 4:29:52 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0033	0.0010		mg/L	1	11/10/2011 6:06:14 PM
Selenium	0.0012	0.0010		mg/L	1	11/10/2011 6:06:14 PM
Uranium	0.0014	0.0010		mg/L	1	11/11/2011 1:52:58 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0035	0.0010		mg/L	1	11/9/2011 4:27:36 PM
Selenium	0.0012	0.0010		mg/L	1	11/9/2011 4:27:36 PM
Uranium	0.0014	0.0010		mg/L	1	11/9/2011 4:27:36 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 11:17:17 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Acenaphthylene	ND	10		µg/L	1	11/8/2011 8:03:06 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1110D30	**Collection Date:**	10/31/2011 8:45:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Aniline	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Anthracene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Azobenzene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Benz(a)anthracene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Benzoic acid	ND	20		µg/L	1	11/8/2011 8:03:06 PM
Benzyl alcohol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/8/2011 8:03:06 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Carbazole	ND	10		µg/L	1	11/8/2011 8:03:06 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
4-Chloroaniline	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2-Chlorophenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Chrysene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Dibenzofuran	ND	10		µg/L	1	11/8/2011 8:03:06 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Diethyl phthalate	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Dimethyl phthalate	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/8/2011 8:03:06 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/8/2011 8:03:06 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/8/2011 8:03:06 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Fluoranthene	ND	10		µg/L	1	11/8/2011 8:03:06 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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1110D30	**Collection Date:**	10/31/2011 8:45:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluorene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Hexachlorobenzene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Hexachloroethane	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Isophorone	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2-Methylphenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
3+4-Methylphenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/8/2011 8:03:06 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/8/2011 8:03:06 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Naphthalene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2-Nitroaniline	ND	10		µg/L	1	11/8/2011 8:03:06 PM
3-Nitroaniline	ND	10		µg/L	1	11/8/2011 8:03:06 PM
4-Nitroaniline	ND	20		µg/L	1	11/8/2011 8:03:06 PM
Nitrobenzene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2-Nitrophenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
4-Nitrophenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Pentachlorophenol	ND	20		µg/L	1	11/8/2011 8:03:06 PM
Phenanthrene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Phenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Pyrene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Pyridine	ND	10		µg/L	1	11/8/2011 8:03:06 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/8/2011 8:03:06 PM
Surr: 2,4,6-Tribromophenol	82.9	18.1-138		%REC	1	11/8/2011 8:03:06 PM
Surr: 2-Fluorobiphenyl	66.4	25.9-101		%REC	1	11/8/2011 8:03:06 PM
Surr: 2-Fluorophenol	42.9	12.5-93.2		%REC	1	11/8/2011 8:03:06 PM
Surr: 4-Terphenyl-d14	77.8	29.5-112		%REC	1	11/8/2011 8:03:06 PM
Surr: Nitrobenzene-d5	75.9	20.5-120		%REC	1	11/8/2011 8:03:06 PM
Surr: Phenol-d5	35.1	11.3-73.2		%REC	1	11/8/2011 8:03:06 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Toluene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *15-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1110D30	**Collection Date:**	10/31/2011 8:45:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 11:46:55 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 11:46:55 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 11:46:55 PM
Acetone	ND	10		µg/L	1	11/1/2011 11:46:55 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 11:46:55 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 11:46:55 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 11:46:55 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 11:46:55 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 11:46:55 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 11:46:55 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 11:46:55 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 11:46:55 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1110D30	**Collection Date:**	10/31/2011 8:45:00 AM
Project:	2011 Annual	**Date Received:**	10/31/2011
Lab ID:	1110D30-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 11:46:55 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 11:46:55 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 11:46:55 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 11:46:55 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 11:46:55 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 11:46:55 PM
Surr: 1,2-Dichloroethane-d4	80.5	70-130		%REC	1	11/1/2011 11:46:55 PM
Surr: 4-Bromofluorobenzene	104	73-131		%REC	1	11/1/2011 11:46:55 PM
Surr: Dibromofluoromethane	85.6	70-130		%REC	1	11/1/2011 11:46:55 PM
Surr: Toluene-d8	80.7	70-130		%REC	1	11/1/2011 11:46:55 PM

Qualifiers:

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

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111102035
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1110D30
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111102035-001	**Sampling Date**	10/31/2011	**Date/Time Received**	11/2/2011 11:54 AM
Client Sample ID	1110D30-01F / POND 2 INLET	**Sampling Time**	9:15 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1520	mg/L	500	11/4/2011	JLU	EPA 410.4	

Sample Number	111102035-002	**Sampling Date**	10/31/2011	**Date/Time Received**	11/2/2011 11:54 AM
Client Sample ID	1110D30-02F / PW-3	**Sampling Time**	8:45 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	11/10/2011	CRW	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND *Not Detected*
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB		*MBLK*				Batch ID:	R48993	Analysis Date:	11/9/2011 3:18:30 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	R48993	Analysis Date:	11/9/2011 3:21:25 PM		
Barium	0.4844	mg/L	0.0020	0.5	0	96.9	85	115			
Cadmium	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Chromium	0.4893	mg/L	0.0060	0.5	0.0003	97.8	85	115			
Copper	0.4729	mg/L	0.0060	0.5	0.0008	94.4	85	115			
Iron	0.4872	mg/L	0.020	0.5	0	97.4	85	115			
Lead	0.4869	mg/L	0.0050	0.5	0	97.4	85	115			
Manganese	0.4724	mg/L	0.0020	0.5	0	94.5	85	115			
Silver	0.09865	mg/L	0.0050	0.1	0	98.6	85	115			
Zinc	0.4898	mg/L	0.010	0.5	0	98.0	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48933**	Analysis Date:	11/8/2011 6:45:00 AM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R48993**	Analysis Date:	11/9/2011 3:18:30 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sum Cations	0.00008646	mg/L	0								
Sample ID: LCS		*LCS*				Batch ID:	**R48933**	Analysis Date:	11/8/2011 6:47:53 AM		
Barium	0.4998	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5169	mg/L	0.0020	0.5	0.0002	103	85	115			
Chromium	0.5019	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.4896	mg/L	0.0060	0.5	0.0016	97.6	85	115			
Iron	0.5075	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5035	mg/L	0.0050	0.5	0	101	85	115			
Manganese	0.4868	mg/L	0.0020	0.5	0	97.4	85	115			
Silver	0.1021	mg/L	0.0050	0.1	0	102	85	115			
Zinc	0.5092	mg/L	0.010	0.5	0.0017	101	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48993**	Analysis Date:	11/9/2011 3:21:25 PM		
Barium	0.4844	mg/L	0.0020	0.5	0	96.9	85	115			
Cadmium	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Chromium	0.4893	mg/L	0.0060	0.5	0.0003	97.8	85	115			
Copper	0.4729	mg/L	0.0060	0.5	0.0008	94.4	85	115			
Iron	0.4872	mg/L	0.020	0.5	0	97.4	85	115			
Lead	0.4869	mg/L	0.0050	0.5	0	97.4	85	115			
Manganese	0.4724	mg/L	0.0020	0.5	0	94.5	85	115			
Silver	0.09865	mg/L	0.0050	0.1	0	98.6	85	115			
Zinc	0.4898	mg/L	0.010	0.5	0	98.0	85	115			

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: 2011 Annual **Work Order:** 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48980**	Analysis Date:	11/9/2011 12:58:36 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:23:00 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48980**	Analysis Date:	11/9/2011 1:02:43 PM		
Arsenic	0.02587	mg/L	0.0010	0.025	0	103	85	115			
Selenium	0.02675	mg/L	0.0010	0.025	0	107	85	115			
Uranium	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
Arsenic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02792	mg/L	0.0010	0.025	0	112	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:24:31 PM		
Uranium	0.02648	mg/L	0.0010	0.025	0	106	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48980**	Analysis Date:	11/9/2011 3:01:38 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R48980**	Analysis Date:	11/9/2011 12:58:36 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R48980**	Analysis Date:	11/9/2011 3:05:45 PM		
Arsenic	0.02576	mg/L	0.0010	0.025	0	103	85	115			
Selenium	0.02669	mg/L	0.0010	0.025	0	107	85	115			
Uranium	0.02471	mg/L	0.0010	0.025	0	98.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R48980**	Analysis Date:	11/9/2011 1:02:43 PM		
Arsenic	0.02587	mg/L	0.0010	0.025	0	103	85	115			
Selenium	0.02675	mg/L	0.0010	0.025	0	107	85	115			
Uranium	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
Arsenic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02792	mg/L	0.0010	0.025	0	112	85	115			

Qualifiers:

J	Estimated value	H	Holding times for preparation or analysis exceeded
B	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: 2011 Annual **Work Order:** 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 245.1: Mercury											
Sample ID: MB-29284		*MBLK*				Batch ID:	**29284**	Analysis Date:		11/9/2011 11:13:44 AM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29284		*LCS*				Batch ID:	**29284**	Analysis Date:		11/9/2011 11:15:31 AM	
Mercury	0.005083	mg/L	0.00020	0.005	3E-05	101	80	120			
Method: EPA Method 300.0: Anions											
Sample ID: 1110D30-02BMSD		*MSD*				Batch ID:	**R48769**	Analysis Date:		10/31/2011 9:12:53 PM	
Nitrogen, Nitrate (As N)	2.634	mg/L	0.10	2.5	0.0825	102	83.7	111	2.91	20	
Sample ID: MB		*MBLK*				Batch ID:	**R48769**	Analysis Date:		10/31/2011 1:43:44 PM	
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Sample ID: LCS		*LCS*				Batch ID:	**R48769**	Analysis Date:		10/31/2011 1:54:58 PM	
Nitrogen, Nitrate (As N)	2.471	mg/L	0.10	2.5	0	98.9	90	110			
Sample ID: 1110D30-02BMS		*MS*				Batch ID:	**R48769**	Analysis Date:		10/31/2011 9:01:40 PM	
Nitrogen, Nitrate (As N)	2.558	mg/L	0.10	2.5	0.0825	99.0	83.7	111			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-29174		*MBLK*				Batch ID:	**29174**	Analysis Date:		11/1/2011 9:14:11 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-29174		*LCS*				Batch ID:	**29174**	Analysis Date:		11/1/2011 9:48:40 PM	
Diesel Range Organics (DRO)	5.366	mg/L	1.0	5	0	107	74	157			
Sample ID: LCSD-29174		*LCSD*				Batch ID:	**29174**	Analysis Date:		11/1/2011 10:23:03 PM	
Diesel Range Organics (DRO)	5.713	mg/L	1.0	5	0	114	74	157	6.26	23	

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: 2011 Annual
Work Order: 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48805**		Analysis Date:	11/1/2011 9:38:10 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
oroethane	ND	µg/L	2.0								
oroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

~	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48805**	Analysis Date:		11/1/2011 9:38:10 AM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48826**	Analysis Date:		11/2/2011 9:30:48 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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: 2011 Annual **Work Order:** 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48826**		Analysis Date:	11/2/2011 9:30:48 AM		
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
p-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-c		*LCS*				Batch ID: **R48805**		Analysis Date:	11/1/2011 2:11:20 PM		

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual
Work Order: 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs-c		*LCS*				Batch ID:	**R48805**	Analysis Date:		11/1/2011 2:11:20 PM	
Benzene	20.46	µg/L	1.0	20	0	102	81.1	130			
Toluene	18.80	µg/L	1.0	20	0	94.0	82.3	122			
Chlorobenzene	18.39	µg/L	1.0	20	0	92.0	70	130			
1,1-Dichloroethene	18.52	µg/L	1.0	20	0	92.6	83.1	126			
Trichloroethene (TCE)	20.07	µg/L	1.0	20	0	100	67.4	137			
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R48826**	Analysis Date:		11/2/2011 11:59:39 AM	
Benzene	18.84	µg/L	1.0	20	0	94.2	81.1	130			
Toluene	21.34	µg/L	1.0	20	0	107	82.3	122			
Chlorobenzene	20.74	µg/L	1.0	20	0	104	70	130			
1,1-Dichloroethene	18.46	µg/L	1.0	20	0	92.3	83.1	126			
Trichloroethene (TCE)	19.12	µg/L	1.0	20	0	95.6	67.4	137			

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: 2011 Annual
Work Order: 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29216		*MBLK*				**Batch ID: 29216**		Analysis Date: 11/8/2011 5:38:47 PM			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
'oroaniline	ND	µg/L	10								
,oronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29216		*MBLK*				Batch ID:	**29216**	Analysis Date:		11/8/2011 5:38:47 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29216		*LCS*				Batch ID:	**29216**	Analysis Date:		11/8/2011 6:07:46 PM	
Acenaphthene	78.44	µg/L	10	100	0	78.4	37.7	119			
4-Chloro-3-methylphenol	166.0	µg/L	10	200	0	83.0	48.8	104			
2-Chlorophenol	151.3	µg/L	10	200	0	75.7	38.2	109			
1,4-Dichlorobenzene	56.04	µg/L	10	100	0	56.0	33.7	99.1			
2,4-Dinitrotoluene	84.18	µg/L	10	100	0	84.2	39.9	125			
N-Nitrosodi-n-propylamine	77.98	µg/L	10	100	0	78.0	43.8	95.1			
4-Nitrophenol	106.8	µg/L	10	200	0	53.4	21.7	68.6			
Pentachlorophenol	155.9	µg/L	20	200	0	78.0	26.7	107			
Phenol	99.44	µg/L	10	200	0	49.7	23.9	65.8			
Pyrene	77.74	µg/L	10	100	0	77.7	45.7	107			
1,2,4-Trichlorobenzene	57.08	µg/L	10	100	0	57.1	30.8	104			
Sample ID: lcsd-29216		*LCSD*				Batch ID:	**29216**	Analysis Date:		11/8/2011 6:36:47 PM	
Acenaphthene	68.50	µg/L	10	100	0	68.5	37.7	119	13.5	20	
4-Chloro-3-methylphenol	148.6	µg/L	10	200	0	74.3	48.8	104	11.1	20	
2-Chlorophenol	136.4	µg/L	10	200	0	68.2	38.2	109	10.4	20	
1,4-Dichlorobenzene	56.26	µg/L	10	100	0	56.3	33.7	99.1	0.392	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: 2011 Annual
Work Order: 1110D30

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-29216		*LCSD*				Batch ID: **29216**		Analysis Date:		11/8/2011 6:36:47 PM	
2,4-Dinitrotoluene	81.82	µg/L	10	100	0	81.8	39.9	125	2.84	20	
N-Nitrosodi-n-propylamine	63.32	µg/L	10	100	0	63.3	43.8	95.1	20.8	20	R
4-Nitrophenol	97.36	µg/L	10	200	0	48.7	21.7	68.6	9.25	20	
Pentachlorophenol	163.5	µg/L	20	200	0	81.8	26.7	107	4.75	20	
Phenol	82.12	µg/L	10	200	0	41.1	23.9	65.8	19.1	20	
Pyrene	80.02	µg/L	10	100	0	80.0	45.7	107	2.89	20	
1,2,4-Trichlorobenzene	58.92	µg/L	10	100	0	58.9	30.8	104	3.17	20	
Method: SM5210B: BOD											
Sample ID: MB-29175		*MBLK*				Batch ID: **29175**		Analysis Date:		11/7/2011 4:27:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-29175		*MBLK*				Batch ID: **29175**		Analysis Date:		11/7/2011 4:27:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-29175		*LCS*				Batch ID: **29175**		Analysis Date:		11/7/2011 4:27:00 AM	
Biochemical Oxygen Demand	174.0	mg/L	2.0	198	0	87.9	84.6	115.4			
Sample ID: LCSD-29175		*LCSD*				Batch ID: **29175**		Analysis Date:		11/7/2011 4:27:00 AM	
Biochemical Oxygen Demand	176.0	mg/L	2.0	198	0	88.9	84.6	115.4	1.14	20	
Method: SM2540C MOD: Total Dissolved Solids											
Sample ID: MB-29189		*MBLK*				Batch ID: **29189**		Analysis Date:		11/3/2011 5:29:00 PM	
[illegible] Dissolved Solids	ND	mg/L	20.0								
[illegible]ple ID: LCS-29189		*LCS*				Batch ID: **29189**		Analysis Date:		11/3/2011 5:29:00 PM	
Total Dissolved Solids	1026	mg/L	20.0	1000	0	103	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 10/31/2011

Work Order Number 1110D30 | Received by: AT

Checklist completed by: Signature 10/31/11 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑	
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐		
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐		
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐		
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐		

Number of preserved bottles checked for pH: 4 (<2 or >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#: 505 863-0930
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2011 Annual
Project #: PW-3; Pond 2 Inlet
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1110D330	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA Metals Total + Dissolved	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA) + phenols	BOD / COD	TDS	Cyanide	Nitrates	Air Bubbles (Y or N)
10/31/11	0915	AQ	Pond 2 Inlet			-1			X							X		X	X			
10/31/11	0845		PW-3			-2							X			X	X			X	X	

Date	Time	Relinquished by:	Received by:	Date	Time
10/31/11	1000			10/31/11	12:45
10/31/11	12:45			10/31/11	1245

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, November 16, 2011

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

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

RE: 2011 Annual

Order No.: 1110C82

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 10/27/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *16-Nov-11*

CLIENT: Western Refining Southwest, Gallup
Project: 2011 Annual
Lab Order: 1110C82

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 1110c82-03a: pH>2.0

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1110C82	**Collection Date:**	10/24/2011 1:10:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Toluene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Methyl tert-butyl ether (MTBE)	1300	10		µg/L	10	11/1/2011 6:56:28 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 2:42:27 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 2:42:27 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 2:42:27 PM
Acetone	ND	10		µg/L	1	11/1/2011 2:42:27 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 2:42:27 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 2:42:27 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 2:42:27 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 2:42:27 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 2:42:27 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 2:42:27 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 2:42:27 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 2:42:27 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1110C82	**Collection Date:**	10/24/2011 1:10:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 2:42:27 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 2:42:27 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 2:42:27 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 2:42:27 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 2:42:27 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 2:42:27 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 2:42:27 PM
Surr: 1,2-Dichloroethane-d4	90.8	70-130		%REC	1	11/1/2011 2:42:27 PM
Surr: 4-Bromofluorobenzene	106	73-131		%REC	1	11/1/2011 2:42:27 PM
Surr: Dibromofluoromethane	90.7	70-130		%REC	1	11/1/2011 2:42:27 PM
Surr: Toluene-d8	98.7	70-130		%REC	1	11/1/2011 2:42:27 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: *16-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1110C82	**Collection Date:**	10/24/2011 2:14:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	1400	50		µg/L	50	11/1/2011 3:38:53 PM
Toluene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Ethylbenzene	45	5.0		µg/L	5	11/1/2011 4:07:08 PM
Methyl tert-butyl ether (MTBE)	1400	50		µg/L	50	11/1/2011 3:38:53 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Naphthalene	ND	10		µg/L	5	11/1/2011 4:07:08 PM
1-Methylnaphthalene	22	20		µg/L	5	11/1/2011 4:07:08 PM
2-Methylnaphthalene	ND	20		µg/L	5	11/1/2011 4:07:08 PM
Acetone	ND	50		µg/L	5	11/1/2011 4:07:08 PM
Bromobenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Bromodichloromethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Bromoform	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Bromomethane	ND	15		µg/L	5	11/1/2011 4:07:08 PM
2-Butanone	ND	50		µg/L	5	11/1/2011 4:07:08 PM
Carbon disulfide	ND	50		µg/L	5	11/1/2011 4:07:08 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Chlorobenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Chloroethane	ND	10		µg/L	5	11/1/2011 4:07:08 PM
Chloroform	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Chloromethane	ND	15		µg/L	5	11/1/2011 4:07:08 PM
2-Chlorotoluene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
4-Chlorotoluene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
cis-1,2-DCE	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/1/2011 4:07:08 PM
Dibromochloromethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Dibromomethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
2,2-Dichloropropane	ND	10		µg/L	5	11/1/2011 4:07:08 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/1/2011 4:07:08 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1110C82	**Collection Date:**	10/24/2011 2:14:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
2-Hexanone	ND	50		µg/L	5	11/1/2011 4:07:08 PM
Isopropylbenzene	8.2	5.0		µg/L	5	11/1/2011 4:07:08 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/1/2011 4:07:08 PM
Methylene Chloride	ND	15		µg/L	5	11/1/2011 4:07:08 PM
n-Butylbenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
n-Propylbenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
sec-Butylbenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Styrene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
tert-Butylbenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/1/2011 4:07:08 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
trans-1,2-DCE	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/1/2011 4:07:08 PM
Vinyl chloride	ND	5.0		µg/L	5	11/1/2011 4:07:08 PM
Xylenes, Total	ND	7.5		µg/L	5	11/1/2011 4:07:08 PM
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%REC	5	11/1/2011 4:07:08 PM
Surr: 4-Bromofluorobenzene	107	73-131		%REC	5	11/1/2011 4:07:08 PM
Surr: Dibromofluoromethane	93.6	70-130		%REC	5	11/1/2011 4:07:08 PM
Surr: Toluene-d8	100	70-130		%REC	5	11/1/2011 4:07:08 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1110C82	**Collection Date:**	10/24/2011 3:30:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Toluene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Methyl tert-butyl ether (MTBE)	470	10		µg/L	10	11/1/2011 7:24:37 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 6:00:09 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 6:00:09 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 6:00:09 PM
Acetone	ND	10		µg/L	1	11/1/2011 6:00:09 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 6:00:09 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 6:00:09 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 6:00:09 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 6:00:09 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 6:00:09 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 6:00:09 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 6:00:09 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 6:00:09 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: *16-Nov-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1110C82	**Collection Date:**	10/24/2011 3:30:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 6:00:09 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 6:00:09 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 6:00:09 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 6:00:09 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 6:00:09 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 6:00:09 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 6:00:09 PM
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%REC	1	11/1/2011 6:00:09 PM
Surr: 4-Bromofluorobenzene	107	73-131		%REC	1	11/1/2011 6:00:09 PM
Surr: Dibromofluoromethane	90.5	70-130		%REC	1	11/1/2011 6:00:09 PM
Surr: Toluene-d8	102	70-130		%REC	1	11/1/2011 6:00:09 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1110C82	**Collection Date:**	10/25/2011 9:50:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Toluene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Methyl tert-butyl ether (MTBE)	6.2	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 7:52:48 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 7:52:48 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 7:52:48 PM
Acetone	ND	10		µg/L	1	11/1/2011 7:52:48 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 7:52:48 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 7:52:48 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 7:52:48 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 7:52:48 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 7:52:48 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 7:52:48 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 7:52:48 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 7:52:48 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1110C82	**Collection Date:**	10/25/2011 9:50:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 7:52:48 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 7:52:48 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 7:52:48 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 7:52:48 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 7:52:48 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 7:52:48 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 7:52:48 PM
Surr: 1,2-Dichloroethane-d4	90.6	70-130		%REC	1	11/1/2011 7:52:48 PM
Surr: 4-Bromofluorobenzene	102	73-131		%REC	1	11/1/2011 7:52:48 PM
Surr: Dibromofluoromethane	89.2	70-130		%REC	1	11/1/2011 7:52:48 PM
Surr: Toluene-d8	99.8	70-130		%REC	1	11/1/2011 7:52:48 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1110C82	**Collection Date:**	10/25/2011 11:46:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/28/2011 2:20:16 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/28/2011 2:20:16 PM
Surr: DNOP	91.4	81.1-147		%REC	1	10/28/2011 2:20:16 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/29/2011 7:57:33 AM
Surr: BFB	94.4	65.4-141		%REC	1	10/29/2011 7:57:33 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.40	0.10		mg/L	1	10/28/2011 1:19:21 PM
Chloride	20	10		mg/L	20	10/28/2011 1:30:35 PM
Bromide	ND	0.10		mg/L	1	10/28/2011 1:19:21 PM
Nitrate (As N)+Nitrite (As N)	1.3	1.0		mg/L	5	11/4/2011 6:27:35 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/28/2011 1:19:21 PM
Sulfate	100	10		mg/L	20	10/28/2011 1:30:35 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.025	0.0020		mg/L	1	11/4/2011 3:49:28 PM
Cadmium	ND	0.0020		mg/L	1	11/4/2011 3:49:28 PM
Calcium	4.2	1.0		mg/L	1	11/4/2011 3:49:28 PM
Chromium	ND	0.0060		mg/L	1	11/4/2011 3:49:28 PM
Copper	ND	0.0060		mg/L	1	11/4/2011 3:49:28 PM
Iron	0.12	0.020		mg/L	1	11/4/2011 3:49:28 PM
Lead	ND	0.0050		mg/L	1	11/4/2011 3:49:28 PM
Magnesium	ND	1.0		mg/L	1	11/4/2011 3:49:28 PM
Manganese	0.031	0.0020		mg/L	1	11/4/2011 3:49:28 PM
Potassium	1.1	1.0		mg/L	1	11/4/2011 3:49:28 PM
Silver	ND	0.0050		mg/L	1	11/4/2011 3:49:28 PM
Sodium	240	5.0		mg/L	5	11/4/2011 3:52:46 PM
Zinc	ND	0.010		mg/L	1	11/4/2011 3:49:28 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.025	0.0020		mg/L	1	11/7/2011 4:29:17 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 4:29:17 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 4:29:17 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 4:29:17 PM
Iron	0.13	0.020		mg/L	1	11/7/2011 4:29:17 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 4:29:17 PM
Manganese	0.032	0.0020		mg/L	1	11/7/2011 4:29:17 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 4:29:17 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1110C82	**Collection Date:**	10/25/2011 11:46:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Zinc	ND	0.010		mg/L	1	11/7/2011 4:29:17 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	11/10/2011 5:37:46 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 5:37:46 PM
Uranium	0.011	0.0010		mg/L	1	11/11/2011 1:31:59 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:05:14 PM
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 12:05:14 PM
Uranium	0.010	0.0025		mg/L	2.5	11/10/2011 12:05:14 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/7/2011 1:09:05 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Acenaphthylene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Aniline	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Anthracene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Azobenzene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Benz(a)anthracene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Benzoic acid	ND	20		µg/L	1	11/7/2011 7:09:56 PM
Benzyl alcohol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/7/2011 7:09:56 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Carbazole	ND	10		µg/L	1	11/7/2011 7:09:56 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
4-Chloroaniline	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2-Chlorophenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 7:09:56 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1110C82	**Collection Date:**	10/25/2011 11:46:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Dibenzofuran	ND	10		µg/L	1	11/7/2011 7:09:56 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Diethyl phthalate	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Dimethyl phthalate	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/7/2011 7:09:56 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/7/2011 7:09:56 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/7/2011 7:09:56 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Fluoranthene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Fluorene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Hexachlorobenzene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Hexachloroethane	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Isophorone	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2-Methylphenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
3+4-Methylphenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/7/2011 7:09:56 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/7/2011 7:09:56 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Naphthalene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2-Nitroaniline	ND	10		µg/L	1	11/7/2011 7:09:56 PM
3-Nitroaniline	ND	10		µg/L	1	11/7/2011 7:09:56 PM
4-Nitroaniline	ND	20		µg/L	1	11/7/2011 7:09:56 PM
Nitrobenzene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2-Nitrophenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
4-Nitrophenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Pentachlorophenol	ND	20		µg/L	1	11/7/2011 7:09:56 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1110C82	**Collection Date:**	10/25/2011 11:46:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Phenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Pyrene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Pyridine	ND	10		µg/L	1	11/7/2011 7:09:56 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/7/2011 7:09:56 PM
Surr: 2,4,6-Tribromophenol	85.7	18.1-138		%REC	1	11/7/2011 7:09:56 PM
Surr: 2-Fluorobiphenyl	69.3	25.9-101		%REC	1	11/7/2011 7:09:56 PM
Surr: 2-Fluorophenol	51.0	12.5-93.2		%REC	1	11/7/2011 7:09:56 PM
Surr: 4-Terphenyl-d14	77.2	29.5-112		%REC	1	11/7/2011 7:09:56 PM
Surr: Nitrobenzene-d5	76.7	20.5-120		%REC	1	11/7/2011 7:09:56 PM
Surr: Phenol-d5	38.4	11.3-73.2		%REC	1	11/7/2011 7:09:56 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Toluene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 8:49:06 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 8:49:06 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 8:49:06 PM
Acetone	ND	10		µg/L	1	11/1/2011 8:49:06 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 8:49:06 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 8:49:06 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 8:49:06 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 8:49:06 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 8:49:06 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 8:49:06 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1110C82	**Collection Date:**	10/25/2011 11:46:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 8:49:06 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 8:49:06 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 8:49:06 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 8:49:06 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 8:49:06 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 8:49:06 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 8:49:06 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 8:49:06 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 8:49:06 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1110C82	**Collection Date:**	10/25/2011 11:46:00 AM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Surr: 1,2-Dichloroethane-d4	92.5	70-130		%REC	1	11/1/2011 8:49:06 PM
Surr: 4-Bromofluorobenzene	108	73-131		%REC	1	11/1/2011 8:49:06 PM
Surr: Dibromofluoromethane	92.0	70-130		%REC	1	11/1/2011 8:49:06 PM
Surr: Toluene-d8	98.4	70-130		%REC	1	11/1/2011 8:49:06 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	940	0.010		µmhos/cm	1	11/1/2011 10:17:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	8.43	0.100	H	pH units	1	11/1/2011 10:17:00 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1110C82	**Collection Date:**	10/25/2011 2:11:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/28/2011 2:54:30 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/28/2011 2:54:30 PM
Surr: DNOP	92.1	81.1-147		%REC	1	10/28/2011 2:54:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/29/2011 8:26:22 AM
Surr: BFB	95.3	65.4-141		%REC	1	10/29/2011 8:26:22 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.49	0.10		mg/L	1	10/28/2011 2:49:14 PM
Chloride	26	10		mg/L	20	10/28/2011 3:00:28 PM
Bromide	0.15	0.10		mg/L	1	10/28/2011 2:49:14 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/28/2011 2:49:14 PM
Sulfate	140	10		mg/L	20	10/28/2011 3:00:28 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.041	0.0020		mg/L	1	11/4/2011 3:55:49 PM
Cadmium	ND	0.0020		mg/L	1	11/4/2011 3:55:49 PM
Calcium	22	1.0		mg/L	1	11/4/2011 3:55:49 PM
Chromium	ND	0.0060		mg/L	1	11/4/2011 3:55:49 PM
Copper	ND	0.0060		mg/L	1	11/4/2011 3:55:49 PM
Iron	ND	0.020		mg/L	1	11/4/2011 3:55:49 PM
Lead	ND	0.0050		mg/L	1	11/4/2011 3:55:49 PM
Magnesium	3.7	1.0		mg/L	1	11/4/2011 3:55:49 PM
Manganese	0.082	0.0020		mg/L	1	11/4/2011 3:55:49 PM
Potassium	ND	1.0		mg/L	1	11/4/2011 3:55:49 PM
Silver	ND	0.0050		mg/L	1	11/4/2011 3:55:49 PM
Sodium	240	5.0		mg/L	5	11/4/2011 3:59:08 PM
Zinc	ND	0.010		mg/L	1	11/4/2011 3:55:49 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.041	0.0020		mg/L	1	11/7/2011 4:32:35 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 4:32:35 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 4:32:35 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 4:32:35 PM
Iron	0.022	0.020		mg/L	1	11/7/2011 4:32:35 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 4:32:35 PM
Manganese	0.082	0.0020		mg/L	1	11/7/2011 4:32:35 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 4:32:35 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 4:32:35 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1110C82	**Collection Date:**	10/25/2011 2:11:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0019	0.0010		mg/L	1	11/10/2011 5:39:47 PM
Selenium	ND	0.0010		mg/L	1	11/10/2011 5:39:47 PM
Uranium	0.0074	0.0010		mg/L	1	11/11/2011 1:33:28 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	11/10/2011 12:07:15 PM
Selenium	ND	0.0025		mg/L	2.5	11/10/2011 12:07:15 PM
Uranium	0.0072	0.0025		mg/L	2.5	11/10/2011 12:07:15 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/7/2011 1:10:53 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Acenaphthylene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Aniline	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Anthracene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Azobenzene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Benz(a)anthracene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Benzoic acid	ND	20		µg/L	1	11/7/2011 7:38:42 PM
Benzyl alcohol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/7/2011 7:38:42 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Carbazole	ND	10		µg/L	1	11/7/2011 7:38:42 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
4-Chloroaniline	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2-Chlorophenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Chrysene	ND	10		µg/L	1	11/7/2011 7:38:42 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1110C82	**Collection Date:**	10/25/2011 2:11:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Di-n-butyl phthalate	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Dibenzofuran	ND	10		µg/L	1	11/7/2011 7:38:42 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Diethyl phthalate	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Dimethyl phthalate	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/7/2011 7:38:42 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/7/2011 7:38:42 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/7/2011 7:38:42 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Fluoranthene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Fluorene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Hexachlorobenzene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Hexachloroethane	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Isophorone	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2-Methylphenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
3+4-Methylphenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/7/2011 7:38:42 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/7/2011 7:38:42 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Naphthalene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2-Nitroaniline	ND	10		µg/L	1	11/7/2011 7:38:42 PM
3-Nitroaniline	ND	10		µg/L	1	11/7/2011 7:38:42 PM
4-Nitroaniline	ND	20		µg/L	1	11/7/2011 7:38:42 PM
Nitrobenzene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2-Nitrophenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
4-Nitrophenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Pentachlorophenol	ND	20		µg/L	1	11/7/2011 7:38:42 PM
Phenanthrene	ND	10		µg/L	1	11/7/2011 7:38:42 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1110C82	**Collection Date:**	10/25/2011 2:11:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Phenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Pyrene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Pyridine	ND	10		µg/L	1	11/7/2011 7:38:42 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/7/2011 7:38:42 PM
Surr: 2,4,6-Tribromophenol	100	18.1-138		%REC	1	11/7/2011 7:38:42 PM
Surr: 2-Fluorobiphenyl	84.5	25.9-101		%REC	1	11/7/2011 7:38:42 PM
Surr: 2-Fluorophenol	70.3	12.5-93.2		%REC	1	11/7/2011 7:38:42 PM
Surr: 4-Terphenyl-d14	90.8	29.5-112		%REC	1	11/7/2011 7:38:42 PM
Surr: Nitrobenzene-d5	100	20.5-120		%REC	1	11/7/2011 7:38:42 PM
Surr: Phenol-d5	51.8	11.3-73.2		%REC	1	11/7/2011 7:38:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Toluene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 9:17:15 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 9:17:15 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 9:17:15 PM
Acetone	ND	10		µg/L	1	11/1/2011 9:17:15 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 9:17:15 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 9:17:15 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 9:17:15 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 9:17:15 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 9:17:15 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 9:17:15 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1110C82	**Collection Date:**	10/25/2011 2:11:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 9:17:15 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 9:17:15 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 9:17:15 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 9:17:15 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 9:17:15 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 9:17:15 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 9:17:15 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 9:17:15 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 9:17:15 PM
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%REC	1	11/1/2011 9:17:15 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1110C82	**Collection Date:**	10/25/2011 2:11:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Surr: 4-Bromofluorobenzene	108	73-131		%REC	1	11/1/2011 9:17:15 PM
Surr: Dibromofluoromethane	92.5	70-130		%REC	1	11/1/2011 9:17:15 PM
Surr: Toluene-d8	102	70-130		%REC	1	11/1/2011 9:17:15 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	1100	0.010		µmhos/cm	1	11/1/2011 10:21:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	8.46	0.100	H	pH units	1	11/1/2011 10:21:00 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110C82	**Collection Date:**	10/24/2011 12:00:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Toluene	2.0	1.0		µg/L	1	11/1/2011 11:10:11 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 11:10:11 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 11:10:11 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 11:10:11 PM
Acetone	ND	10		µg/L	1	11/1/2011 11:10:11 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 11:10:11 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 11:10:11 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 11:10:11 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 11:10:11 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 11:10:11 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 11:10:11 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 11:10:11 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:10:11 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1110C82	**Collection Date:**	10/24/2011 12:00:00 PM
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 11:10:11 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 11:10:11 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 11:10:11 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 11:10:11 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 11:10:11 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 11:10:11 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 11:10:11 PM
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%REC	1	11/1/2011 11:10:11 PM
Surr: 4-Bromofluorobenzene	110	73-131		%REC	1	11/1/2011 11:10:11 PM
Surr: Dibromofluoromethane	90.1	70-130		%REC	1	11/1/2011 11:10:11 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/1/2011 11:10:11 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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1110C82	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-08	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/29/2011 8:55:13 AM
Surr: BFB	94.3	65.4-141		%REC	1	10/29/2011 8:55:13 AM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Toluene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Ethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Naphthalene	ND	2.0		µg/L	1	11/1/2011 11:38:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 11:38:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/1/2011 11:38:25 PM
Acetone	ND	10		µg/L	1	11/1/2011 11:38:25 PM
Bromobenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Bromoform	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Bromomethane	ND	3.0		µg/L	1	11/1/2011 11:38:25 PM
2-Butanone	ND	10		µg/L	1	11/1/2011 11:38:25 PM
Carbon disulfide	ND	10		µg/L	1	11/1/2011 11:38:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Chlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Chloroethane	ND	2.0		µg/L	1	11/1/2011 11:38:25 PM
Chloroform	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Chloromethane	ND	3.0		µg/L	1	11/1/2011 11:38:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/1/2011 11:38:25 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Dibromomethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/1/2011 11:38:25 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
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: *16-Nov-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1110C82	**Collection Date:**	
Project:	2011 Annual	**Date Received:**	10/27/2011
Lab ID:	1110C82-08	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,2-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/1/2011 11:38:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
2-Hexanone	ND	10		µg/L	1	11/1/2011 11:38:25 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/1/2011 11:38:25 PM
Methylene Chloride	ND	3.0		µg/L	1	11/1/2011 11:38:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Styrene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/1/2011 11:38:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/1/2011 11:38:25 PM
Vinyl chloride	ND	1.0		µg/L	1	11/1/2011 11:38:25 PM
Xylenes, Total	ND	1.5		µg/L	1	11/1/2011 11:38:25 PM
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%REC	1	11/1/2011 11:38:25 PM
Surr: 4-Bromofluorobenzene	104	73-131		%REC	1	11/1/2011 11:38:25 PM
Surr: Dibromofluoromethane	92.5	70-130		%REC	1	11/1/2011 11:38:25 PM
Surr: Toluene-d8	100	70-130		%REC	1	11/1/2011 11:38:25 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
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: 2011 Annual **Work Order:** 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R48897**	Analysis Date:	11/4/2011 2:27:34 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-29232		*MBLK*				Batch ID:	**29232**	Analysis Date:	11/7/2011 4:14:20 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
	ND	mg/L	0.0050								
anese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	**R48897**	Analysis Date:	11/4/2011 2:30:27 PM		
Barium	0.5014	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5154	mg/L	0.0020	0.5	0	103	85	115			
Calcium	51.55	mg/L	1.0	50	0	103	85	115			
Chromium	0.5019	mg/L	0.0060	0.5	0.0005	100	85	115			
Copper	0.4846	mg/L	0.0060	0.5	0	96.9	85	115			
Iron	0.5022	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5046	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	51.77	mg/L	1.0	50	0.0083	104	85	115			
Manganese	0.4892	mg/L	0.0020	0.5	0	97.8	85	115			
Potassium	49.98	mg/L	1.0	50	0	100	85	115			
Silver	0.1039	mg/L	0.0050	0.1	0	104	85	115			
Sodium	50.98	mg/L	1.0	50	0	102	85	115			
Zinc	0.5057	mg/L	0.010	0.5	0	101	85	115			
Sample ID: LCS-29232		*LCS*				Batch ID:	**29232**	Analysis Date:	11/7/2011 4:17:11 PM		
Arsenic	0.5389	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5017	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5197	mg/L	0.0020	0.5	0	104	85	115			
Chromium	0.5082	mg/L	0.0060	0.5	0.0004	102	85	115			
Copper	0.4974	mg/L	0.0060	0.5	0.0010	99.3	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual
Work Order: 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS-29232		*LCS*				Batch ID:	29232	Analysis Date:	11/7/2011 4:17:11 PM		
Iron	0.5076	mg/L	0.020	0.5	0	102	85	115			
Lead	0.4989	mg/L	0.0050	0.5	0.0016	99.5	85	115			
Manganese	0.4914	mg/L	0.0020	0.5	0	98.3	85	115			
Silver	0.1044	mg/L	0.0050	0.1	0	104	85	115			
Zinc	0.5109	mg/L	0.010	0.5	0.0013	102	85	115			
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	R48897	Analysis Date:	11/4/2011 2:27:34 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	R48897	Analysis Date:	11/4/2011 2:30:27 PM		
Barium	0.5014	mg/L	0.0020	0.5	0	100	85	115			
Cadmium	0.5154	mg/L	0.0020	0.5	0	103	85	115			
Calcium	51.55	mg/L	1.0	50	0	103	85	115			
Chromium	0.5019	mg/L	0.0060	0.5	0.0005	100	85	115			
Copper	0.4846	mg/L	0.0060	0.5	0	96.9	85	115			
Iron	0.5022	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5046	mg/L	0.0050	0.5	0	101	85	115			
Magnesium	51.77	mg/L	1.0	50	0.0083	104	85	115			
Manganese	0.4892	mg/L	0.0020	0.5	0	97.8	85	115			
Potassium	49.98	mg/L	1.0	50	0	100	85	115			
Silver	0.1039	mg/L	0.0050	0.1	0	104	85	115			
Sodium	50.98	mg/L	1.0	50	0	102	85	115			
Zinc	0.5057	mg/L	0.010	0.5	0	101	85	115			

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: 2011 Annual
Work Order: 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:23:00 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
Arsenic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02792	mg/L	0.0010	0.025	0	112	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49036**	Analysis Date:	11/11/2011 1:24:31 PM		
Uranium	0.02648	mg/L	0.0010	0.025	0	106	85	115			
Method: EPA 200.8: Metals											
Sample ID: MB-29232		*MBLK*				Batch ID:	**29232**	Analysis Date:	11/10/2011 12:01:11 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:01:06 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49021**	Analysis Date:	11/10/2011 5:05:13 PM		
·nic	0.02615	mg/L	0.0010	0.025	0	105	85	115			
·ium	0.02792	mg/L	0.0010	0.025	0	112	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-29237		*MBLK*				Batch ID:	**29237**	Analysis Date:	11/7/2011 12:36:59 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29237		*LCS*				Batch ID:	**29237**	Analysis Date:	11/7/2011 12:38:46 PM		
Mercury	0.004924	mg/L	0.00020	0.005	0	98.5	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual **Work Order:** 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R48751**	Analysis Date:	10/28/2011 11:49:33 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48751**	Analysis Date:	10/29/2011 12:10:45 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R48907**	Analysis Date:	11/4/2011 2:54:14 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48751**	Analysis Date:	10/28/2011 12:00:47 PM		
Fluoride	0.5346	mg/L	0.10	0.5	0	107	90	110			
Chloride	5.249	mg/L	0.50	5	0	105	90	110			
Bromide	2.593	mg/L	0.10	2.5	0	104	90	110			
Nitrate (As N)+Nitrite (As N)	3.721	mg/L	0.20	3.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.243	mg/L	0.50	5	0	105	90	110			
Sulfate	10.74	mg/L	0.50	10	0	107	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48751**	Analysis Date:	10/29/2011 12:21:59 AM		
Fluoride	0.5135	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.852	mg/L	0.50	5	0	97.0	90	110			
Bromide	2.400	mg/L	0.10	2.5	0	96.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.987	mg/L	0.50	5	0	99.7	90	110			
Sulfate	9.840	mg/L	0.50	10	0	98.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48907**	Analysis Date:	11/4/2011 3:05:27 PM		
Fluoride	0.5102	mg/L	0.10	0.5	0	102	90	110			
Chloride	5.014	mg/L	0.50	5	0	100	90	110			
Bromide	2.482	mg/L	0.10	2.5	0	99.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.531	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.988	mg/L	0.50	5	0	99.8	90	110			
Sulfate	10.08	mg/L	0.50	10	0	101	90	110			

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: 2011 Annual
Work Order: 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-29123		*MBLK*				Batch ID:	**29123**	Analysis Date:	10/28/2011 9:44:17 AM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-29123		*LCS*				Batch ID:	**29123**	Analysis Date:	10/28/2011 10:18:57 AM		
Diesel Range Organics (DRO)	5.504	mg/L	1.0	5	0	110	74	157			
Sample ID: LCSD-29123		*LCSD*				Batch ID:	**29123**	Analysis Date:	10/28/2011 10:53:35 AM		
Diesel Range Organics (DRO)	5.482	mg/L	1.0	5	0	110	74	157	0.408	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48748**	Analysis Date:	10/28/2011 10:38:00 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R48748**	Analysis Date:	10/28/2011 12:33:30 PM		
Gasoline Range Organics (GRO)	0.5560	mg/L	0.050	0.5	0	111	92.1	117			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2011 Annual
Work Order: 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1110c82-02a msd		*MSD*				Batch ID: **R48797**		Analysis Date:		11/1/2011 5:03:35 PM	
Toluene	105.8	µg/L	5.0	100	0	106	68.2	130	0.515	16.9	
Chlorobenzene	100.8	µg/L	5.0	100	1.011	99.8	74	122	2.66	13.9	
1,1-Dichloroethene	94.33	µg/L	5.0	100	0	94.3	69.3	123	2.96	16.7	
Trichloroethene (TCE)	95.96	µg/L	5.0	100	0	96.0	61.3	127	2.84	18	
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48797**		Analysis Date:		11/1/2011 9:12:02 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								

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: 2011 Annual **Work Order:** 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48797**	Analysis Date:	11/1/2011 9:12:02 AM		
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
[illegible]-Trichloroethane	ND	µg/L	1.0								
[illegible]oroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R48797**	Analysis Date:	11/1/2011 10:37:02 AM		
Benzene	19.26	µg/L	1.0	20	0	96.3	81.1	130			
Toluene	22.08	µg/L	1.0	20	0	110	82.3	122			
Chlorobenzene	20.61	µg/L	1.0	20	0	103	70	130			
1,1-Dichloroethene	19.31	µg/L	1.0	20	0	96.6	83.1	126			
Trichloroethene (TCE)	19.78	µg/L	1.0	20	0	98.9	67.4	137			
Sample ID: 1110c82-02a ms		*MS*				Batch ID:	**R48797**	Analysis Date:	11/1/2011 4:35:19 PM		
Toluene	105.3	µg/L	5.0	100	0	105	68.2	130			
Chlorobenzene	98.13	µg/L	5.0	100	1.011	97.1	74	122			
1,1-Dichloroethene	91.58	µg/L	5.0	100	0	91.6	69.3	123			
Trichloroethene (TCE)	93.28	µg/L	5.0	100	0	93.3	61.3	127			

Qualifiers:

P	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual
Work Order: 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29141		*MBLK*					Batch ID: **29141**		Analysis Date: **11/7/2011 2:18:01 PM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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: 2011 Annual
Work Order: 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29141		*MBLK*				Batch ID:	**29141**	Analysis Date:		11/7/2011 2:18:01 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
anthrene	ND	µg/L	10								
ol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29141		*LCS*				Batch ID:	**29141**	Analysis Date:		11/7/2011 2:47:13 PM	
Acenaphthene	81.20	µg/L	10	100	0	81.2	37.7	119			
4-Chloro-3-methylphenol	147.3	µg/L	10	200	0	73.6	48.8	104			
2-Chlorophenol	146.4	µg/L	10	200	0	73.2	38.2	109			
1,4-Dichlorobenzene	63.74	µg/L	10	100	0	63.7	33.7	99.1			
2,4-Dinitrotoluene	75.48	µg/L	10	100	0	75.5	39.9	125			
N-Nitrosodi-n-propylamine	72.00	µg/L	10	100	0	72.0	43.8	95.1			
4-Nitrophenol	94.50	µg/L	10	200	0	47.3	21.7	68.6			
Pentachlorophenol	106.2	µg/L	20	200	0	53.1	26.7	107			
Phenol	92.38	µg/L	10	200	0	46.2	23.9	65.8			
Pyrene	66.80	µg/L	10	100	0	66.8	45.7	107			
1,2,4-Trichlorobenzene	56.76	µg/L	10	100	0	56.8	30.8	104			
Sample ID: lcsd-29141		*LCSD*				Batch ID:	**29141**	Analysis Date:		11/7/2011 3:16:26 PM	
Acenaphthene	79.16	µg/L	10	100	0	79.2	37.7	119	2.54	20	
4-Chloro-3-methylphenol	155.2	µg/L	10	200	0	77.6	48.8	104	5.22	20	
2-Chlorophenol	153.1	µg/L	10	200	0	76.6	38.2	109	4.45	20	
1,4-Dichlorobenzene	64.22	µg/L	10	100	0	64.2	33.7	99.1	0.750	20	

Qualifiers:

¯	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 2011 Annual **Work Order:** 1110C82

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-29141		*LCSD*				Batch ID:	**29141**	Analysis Date:		11/7/2011 3:16:26 PM	
2,4-Dinitrotoluene	77.54	µg/L	10	100	0	77.5	39.9	125	2.69	20	
N-Nitrosodi-n-propylamine	69.58	µg/L	10	100	0	69.6	43.8	95.1	3.42	20	
4-Nitrophenol	99.24	µg/L	10	200	0	49.6	21.7	68.6	4.89	20	
Pentachlorophenol	112.3	µg/L	20	200	0	56.2	26.7	107	5.58	20	
Phenol	91.32	µg/L	10	200	0	45.7	23.9	65.8	1.15	20	
Pyrene	71.88	µg/L	10	100	0	71.9	45.7	107	7.33	20	
1,2,4-Trichlorobenzene	59.94	µg/L	10	100	0	59.9	30.8	104	5.45	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 10/27/2011

Work Order Number 1110C82 | Received by: AT

Checklist completed by: Signature 10/27/11 Date | Sample ID labels checked by: Initials MG

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	

Number of preserved bottles checked for pH: 6

(<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: For -01A, -03A and -04A, 06A, 2 VOA's from each sample arrived broken due to being frozen. For -02A, 1 VOA arrived broken due to being frozen. MG 10/28/11

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: PO Box 7 Gallup, NM 87301

Phone #: 505 ~~870 8917~~ 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: 2011 Annual

Project #: OW Wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 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. 1110682	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) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Dissolved	Gen Chem		Air Bubbles (Y or N)
10/24-11	1310	AQ	OW-30			-1										X						
10/24-11	1414		OW-14			-2										X						
10/24-11	1530		OW-29			-3										X						
10/25-11	0950		OW-13			-4										X						
10/25-11	1146		OW-52			-5			X							X	X	X	X	X		
10/25-11	1411		OW-50			-6			X							X	X	X	X	X		
10/24-11	1200		Field Blank			-7										X						
			Trip Blank -	2		-8			X							X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/26/11	1433			10/26/11	1433
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem. - pH, Spec Cond. Cations, Anions

If n y, samples submitted to Hall Environmental may be subcontracted to other accredited laboratorie s serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analy ort.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, January 10, 2012

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 4th QTR 2011 Sampling

Order No.: 1112745

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 12/16/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Jan-12*

Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** KA-3

Lab Order: 1112745 — **Collection Date:** 12/14/2011 10:40:00 AM

Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011

Lab ID: 1112745-01 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/19/2011 8:31:42 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 8:31:42 PM
Surr: DNOP	134	81.1-147		%REC	1	12/19/2011 8:31:42 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.15	0.050		mg/L	1	12/24/2011 6:07:45 PM
Surr: BFB	106	69.3-120		%REC	1	12/24/2011 6:07:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	57	2.5		µg/L	1	12/24/2011 6:07:45 PM
Benzene	24	1.0		µg/L	1	12/24/2011 6:07:45 PM
Toluene	ND	1.0		µg/L	1	12/24/2011 6:07:45 PM
Ethylbenzene	4.5	1.0		µg/L	1	12/24/2011 6:07:45 PM
Xylenes, Total	ND	2.0		µg/L	1	12/24/2011 6:07:45 PM
Surr: 4-Bromofluorobenzene	110	76.5-115		%REC	1	12/24/2011 6:07:45 PM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	1.3	0.10		mg/L	1	12/17/2011 12:46:00 AM
Chloride	260	10		mg/L	20	12/28/2011 10:35:51 PM
Bromide	1.1	0.10		mg/L	1	12/17/2011 12:46:00 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	12/28/2011 8:06:54 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	12/28/2011 10:23:26 PM
Sulfate	38	0.50		mg/L	1	12/28/2011 10:23:26 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.31	0.010		mg/L	5	12/30/2011 11:40:54 AM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 1:56:38 PM
Calcium	72	5.0		mg/L	5	12/30/2011 4:33:31 PM
Chromium	ND	0.0060		mg/L	1	12/30/2011 1:56:38 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 1:56:38 PM
Iron	0.14	0.020		mg/L	1	12/30/2011 1:56:38 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 1:56:38 PM
Magnesium	12	1.0		mg/L	1	12/30/2011 1:56:38 PM
Manganese	0.95	0.010		mg/L	5	12/30/2011 11:40:54 AM
Potassium	ND	1.0		mg/L	1	12/30/2011 1:56:38 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 1:56:38 PM
Sodium	330	5.0		mg/L	5	12/30/2011 11:40:54 AM
Zinc	ND	0.010		mg/L	1	12/30/2011 1:56:38 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**

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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** KA-3
Lab Order: 1112745 — **Collection Date:** 12/14/2011 10:40:00 AM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-01 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.34	0.0020		mg/L	1	12/21/2011 2:18:05 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 2:18:05 PM
Calcium	72	1.0		mg/L	1	12/21/2011 2:18:05 PM
Chromium	ND	0.0060		mg/L	1	12/21/2011 2:18:05 PM
Copper	ND	0.0080		mg/L	1	12/21/2011 2:18:05 PM
Iron	1.1	0.20		mg/L	10	12/21/2011 2:29:21 PM
Lead	ND	0.0050		mg/L	1	12/21/2011 2:18:05 PM
Magnesium	13	1.0		mg/L	1	12/21/2011 2:18:05 PM
Manganese	1.1	0.020		mg/L	10	12/21/2011 2:29:21 PM
Potassium	1.3	1.0		mg/L	1	12/21/2011 2:18:05 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 2:18:05 PM
Sodium	320	10		mg/L	10	12/21/2011 2:29:21 PM
Zinc	0.013	0.010		mg/L	1	12/21/2011 2:18:05 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0034	0.0010		mg/L	1	12/28/2011 2:11:57 PM
Selenium	0.0021	0.0010		mg/L	1	12/28/2011 2:11:57 PM
Uranium	0.0042	0.0010		mg/L	1	12/28/2011 3:32:04 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0038	0.0025		mg/L	2.5	12/29/2011 4:19:31 PM
Selenium	ND	0.0025		mg/L	2.5	12/29/2011 4:19:31 PM
Uranium	0.0045	0.0025		mg/L	2.5	12/29/2011 4:19:31 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 1:52:15 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Acenaphthylene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Aniline	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Anthracene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Azobenzene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Benz(a)anthracene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Benzo(a)pyrene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Benzoic acid	ND	20		µg/L	1	12/20/2011 4:46:20 PM
Benzyl alcohol	ND	10		µg/L	1	12/20/2011 4:46:20 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1112745	**Collection Date:**	12/14/2011 10:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112745-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	12/20/2011 4:46:20 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Butyl benzyl phthalate	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Carbazole	ND	10		µg/L	1	12/20/2011 4:46:20 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
4-Chloroaniline	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2-Chloronaphthalene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2-Chlorophenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Chrysene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Di-n-butyl phthalate	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Di-n-octyl phthalate	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Dibenzofuran	ND	10		µg/L	1	12/20/2011 4:46:20 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Diethyl phthalate	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Dimethyl phthalate	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2,4-Dichlorophenol	ND	20		µg/L	1	12/20/2011 4:46:20 PM
2,4-Dimethylphenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	12/20/2011 4:46:20 PM
2,4-Dinitrophenol	ND	20		µg/L	1	12/20/2011 4:46:20 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Fluoranthene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Fluorene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Hexachlorobenzene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Hexachlorobutadiene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Hexachloroethane	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Isophorone	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
1-Methylnaphthalene	35	10		µg/L	1	12/20/2011 4:46:20 PM
2-Methylphenol	ND	10		µg/L	1	12/20/2011 4:46:20 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
- 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** KA-3
Lab Order: 1112745 — **Collection Date:** 12/14/2011 10:40:00 AM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-01 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3+4-Methylphenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	12/20/2011 4:46:20 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	12/20/2011 4:46:20 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Naphthalene	19	10		µg/L	1	12/20/2011 4:46:20 PM
2-Nitroaniline	ND	10		µg/L	1	12/20/2011 4:46:20 PM
3-Nitroaniline	ND	10		µg/L	1	12/20/2011 4:46:20 PM
4-Nitroaniline	ND	20		µg/L	1	12/20/2011 4:46:20 PM
Nitrobenzene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2-Nitrophenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
4-Nitrophenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Pentachlorophenol	ND	20		µg/L	1	12/20/2011 4:46:20 PM
Phenanthrene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Phenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Pyrene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Pyridine	ND	10		µg/L	1	12/20/2011 4:46:20 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	12/20/2011 4:46:20 PM
Surr: 2,4,6-Tribromophenol	90.5	18.1-138		%REC	1	12/20/2011 4:46:20 PM
Surr: 2-Fluorobiphenyl	76.5	25.9-101		%REC	1	12/20/2011 4:46:20 PM
Surr: 2-Fluorophenol	58.8	12.5-93.2		%REC	1	12/20/2011 4:46:20 PM
Surr: 4-Terphenyl-d14	90.4	29.5-112		%REC	1	12/20/2011 4:46:20 PM
Surr: Nitrobenzene-d5	81.7	20.5-120		%REC	1	12/20/2011 4:46:20 PM
Surr: Phenol-d5	43.4	11.3-73.2		%REC	1	12/20/2011 4:46:20 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
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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** NAPIS-3
Lab Order: 1112745 — **Collection Date:** 12/14/2011 11:20:00 AM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-02 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/19/2011 9:05:34 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 9:05:34 PM
Surr: DNOP	134	81.1-147		%REC	1	12/19/2011 9:05:34 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/24/2011 3:53:26 PM
Surr: BFB	91.8	69.3-120		%REC	1	12/24/2011 3:53:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	12/24/2011 3:53:26 PM
Benzene	ND	1.0		µg/L	1	12/24/2011 3:53:26 PM
Toluene	ND	1.0		µg/L	1	12/24/2011 3:53:26 PM
Ethylbenzene	ND	1.0		µg/L	1	12/24/2011 3:53:26 PM
Xylenes, Total	ND	2.0		µg/L	1	12/24/2011 3:53:26 PM
Surr: 4-Bromofluorobenzene	91.4	76.5-115		%REC	1	12/24/2011 3:53:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	0.29	0.10		mg/L	1	12/17/2011 1:10:50 AM
Chloride	1100	50		mg/L	100	12/29/2011 3:49:50 PM
Bromide	4.5	0.10		mg/L	1	12/17/2011 1:10:50 AM
Nitrate (As N)+Nitrite (As N)	19	2.0		mg/L	10	12/29/2011 10:30:16 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/28/2011 10:48:15 PM
Sulfate	420	10		mg/L	20	12/28/2011 10:48:15 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.052	0.0020		mg/L	1	12/30/2011 12:02:31 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 12:02:31 PM
Calcium	41	5.0		mg/L	5	12/30/2011 4:44:40 PM
Chromium	ND	0.0060		mg/L	1	12/30/2011 12:02:31 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 12:02:31 PM
Iron	0.12	0.10		mg/L	5	12/30/2011 4:44:40 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 12:02:31 PM
Magnesium	6.9	5.0		mg/L	5	12/30/2011 4:44:40 PM
Manganese	0.0047	0.0020		mg/L	1	12/30/2011 12:02:31 PM
Potassium	ND	5.0		mg/L	5	12/30/2011 4:44:40 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 12:02:31 PM
Sodium	960	10		mg/L	10	12/30/2011 12:07:07 PM
Zinc	0.018	0.010		mg/L	1	12/30/2011 12:02:31 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**

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

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS-3
Lab Order: 1112745
Collection Date: 12/14/2011 11:20:00 AM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112745-02
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: ELS
Barium	0.16	0.0020		mg/L	1	12/21/2011 2:32:25 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 2:32:25 PM
Calcium	48	1.0		mg/L	1	12/21/2011 2:32:25 PM
Chromium	0.019	0.0060		mg/L	1	12/21/2011 2:32:25 PM
Copper	ND	0.0060		mg/L	1	12/21/2011 2:32:25 PM
Iron	6.0	0.20		mg/L	10	12/21/2011 2:34:55 PM
Lead	0.0081	0.0050		mg/L	1	12/21/2011 2:32:25 PM
Magnesium	7.9	1.0		mg/L	1	12/21/2011 2:32:25 PM
Manganese	0.11	0.0020		mg/L	1	12/21/2011 2:32:25 PM
Potassium	4.8	1.0		mg/L	1	12/21/2011 2:32:25 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 2:32:25 PM
Sodium	950	10		mg/L	10	12/21/2011 2:34:55 PM
Zinc	0.23	0.010		mg/L	1	12/21/2011 2:32:25 PM
EPA 200.8: DISSOLVED METALS						Analyst: SNV
Arsenic	0.0037	0.0020		mg/L	2	12/28/2011 2:13:58 PM
Selenium	0.013	0.0020		mg/L	2	12/28/2011 2:13:58 PM
Uranium	0.040	0.0020		mg/L	2	12/28/2011 3:34:06 PM
EPA 200.8: METALS						Analyst: SNV
Arsenic	0.0044	0.0025		mg/L	2.5	12/29/2011 4:21:33 PM
Selenium	0.011	0.0025		mg/L	2.5	12/29/2011 4:21:33 PM
Uranium	0.041	0.0025		mg/L	2.5	12/29/2011 4:21:33 PM
EPA METHOD 245.1: MERCURY						Analyst: JLF
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:11:52 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Acenaphthylene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Aniline	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Anthracene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Azobenzene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Benz(a)anthracene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Benzo(a)pyrene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Benzoic acid	ND	20		µg/L	1	12/20/2011 5:15:30 PM
Benzyl alcohol	ND	10		µg/L	1	12/20/2011 5:15:30 PM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** NAPIS-3
Lab Order: 1112745 — **Collection Date:** 12/14/2011 11:20:00 AM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-02 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	12/20/2011 5:15:30 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Butyl benzyl phthalate	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Carbazole	ND	10		µg/L	1	12/20/2011 5:15:30 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
4-Chloroaniline	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2-Chloronaphthalene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2-Chlorophenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Chrysene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Di-n-butyl phthalate	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Di-n-octyl phthalate	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Dibenzofuran	ND	10		µg/L	1	12/20/2011 5:15:30 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Diethyl phthalate	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Dimethyl phthalate	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2,4-Dichlorophenol	ND	20		µg/L	1	12/20/2011 5:15:30 PM
2,4-Dimethylphenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	12/20/2011 5:15:30 PM
2,4-Dinitrophenol	ND	20		µg/L	1	12/20/2011 5:15:30 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Fluoranthene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Fluorene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Hexachlorobenzene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Hexachlorobutadiene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Hexachloroethane	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Isophorone	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
1-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2-Methylphenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *10-Jan-12*

Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** NAPIS-3

Lab Order: 1112745 — **Collection Date:** 12/14/2011 11:20:00 AM

Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011

Lab ID: 1112745-02 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3+4-Methylphenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	12/20/2011 5:15:30 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	12/20/2011 5:15:30 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Naphthalene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2-Nitroaniline	ND	10		µg/L	1	12/20/2011 5:15:30 PM
3-Nitroaniline	ND	10		µg/L	1	12/20/2011 5:15:30 PM
4-Nitroaniline	ND	20		µg/L	1	12/20/2011 5:15:30 PM
Nitrobenzene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2-Nitrophenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
4-Nitrophenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Pentachlorophenol	ND	20		µg/L	1	12/20/2011 5:15:30 PM
Phenanthrene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Phenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Pyrene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Pyridine	ND	10		µg/L	1	12/20/2011 5:15:30 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	12/20/2011 5:15:30 PM
Surr: 2,4,6-Tribromophenol	87.0	18.1-138		%REC	1	12/20/2011 5:15:30 PM
Surr: 2-Fluorobiphenyl	75.9	25.9-101		%REC	1	12/20/2011 5:15:30 PM
Surr: 2-Fluorophenol	60.6	12.5-93.2		%REC	1	12/20/2011 5:15:30 PM
Surr: 4-Terphenyl-d14	84.9	29.5-112		%REC	1	12/20/2011 5:15:30 PM
Surr: Nitrobenzene-d5	92.2	20.5-120		%REC	1	12/20/2011 5:15:30 PM
Surr: Phenol-d5	43.6	11.3-73.2		%REC	1	12/20/2011 5:15:30 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *10-Jan-12*

Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** NAPIS EFFLU

Lab Order: 1112745 — **Collection Date:** 12/14/2011 11:30:00 AM

Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011

Lab ID: 1112745-03 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	140	5.0		mg/L	1	12/22/2011 2:16:42 AM
Motor Oil Range Organics (MRO)	ND	25		mg/L	1	12/22/2011 2:16:42 AM
Surr: DNOP	138	81.1-147		%REC	1	12/22/2011 2:16:42 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	150	10		mg/L	200	12/24/2011 7:13:21 AM
Surr: BFB	82.3	69.3-120		%REC	200	12/24/2011 7:13:21 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	94	10		mg/L	100	12/17/2011 4:54:18 AM
Chloride	880	25		mg/L	50	12/29/2011 4:07:14 PM
Bromide	3.3	1.0		mg/L	10	12/17/2011 4:29:28 AM
Nitrate (As N)+Nitrite (As N)	18	2.0		mg/L	10	12/28/2011 9:21:22 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	12/29/2011 1:04:49 AM
Sulfate	790	25		mg/L	50	12/29/2011 4:07:14 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.073	0.0020		mg/L	1	12/30/2011 12:10:19 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 12:10:19 PM
Calcium	84	5.0		mg/L	5	12/30/2011 4:47:54 PM
Chromium	0.017	0.0060		mg/L	1	12/30/2011 12:10:19 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 12:10:19 PM
Iron	12	1.0		mg/L	50	12/30/2011 12:12:47 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 12:10:19 PM
Magnesium	22	5.0		mg/L	5	12/30/2011 4:47:54 PM
Manganese	0.19	0.0020		mg/L	1	12/30/2011 12:10:19 PM
Potassium	42	5.0		mg/L	5	12/30/2011 4:47:54 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 12:10:19 PM
Sodium	1200	50		mg/L	50	12/30/2011 12:12:47 PM
Zinc	0.13	0.010		mg/L	1	12/30/2011 12:10:19 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.24	0.0020		mg/L	1	12/21/2011 2:37:55 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 2:37:55 PM
Calcium	96	1.0		mg/L	1	12/21/2011 2:37:55 PM
Chromium	0.020	0.0060		mg/L	1	12/21/2011 2:37:55 PM
Copper	0.037	0.0060		mg/L	1	12/21/2011 2:37:55 PM
Iron	19	0.40		mg/L	20	12/22/2011 1:58:45 PM
Lead	ND	0.0050		mg/L	1	12/21/2011 2:37:55 PM
Magnesium	22	1.0		mg/L	1	12/21/2011 2:37:55 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS EFFLU
Lab Order: 1112745
Collection Date: 12/14/2011 11:30:00 AM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112745-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Manganese	0.21	0.0020		mg/L	1	12/21/2011 2:37:55 PM
Potassium	42	1.0		mg/L	1	12/21/2011 2:37:55 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 2:37:55 PM
Sodium	1200	20		mg/L	20	12/22/2011 1:58:45 PM
Zinc	0.30	0.010		mg/L	1	12/21/2011 2:37:55 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0034	0.0020		mg/L	2	12/28/2011 2:15:59 PM
Selenium	0.0096	0.0020		mg/L	2	12/28/2011 2:15:59 PM
Uranium	0.0045	0.0020		mg/L	2	12/28/2011 3:36:07 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.012	0.0025		mg/L	2.5	12/29/2011 4:23:34 PM
Selenium	0.010	0.0025		mg/L	2.5	12/29/2011 4:23:34 PM
Uranium	0.0052	0.0025		mg/L	2.5	12/29/2011 4:23:34 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.0099	0.00040		mg/L	2	12/20/2011 2:29:53 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Acenaphthylene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Aniline	850	50		µg/L	1	12/20/2011 1:51:45 PM
Anthracene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Azobenzene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Benz(a)anthracene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Benzo(a)pyrene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Benzoic acid	ND	100		µg/L	1	12/20/2011 1:51:45 PM
Benzyl alcohol	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	12/20/2011 1:51:45 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Butyl benzyl phthalate	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Carbazole	ND	50		µg/L	1	12/20/2011 1:51:45 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	12/20/2011 1:51:45 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

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS EFFLU
Lab Order: 1112745
Collection Date: 12/14/2011 11:30:00 AM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112745-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloroaniline	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2-Chloronaphthalene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2-Chlorophenol	ND	50		µg/L	1	12/20/2011 1:51:45 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Chrysene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Di-n-butyl phthalate	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Di-n-octyl phthalate	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Dibenzofuran	ND	50		µg/L	1	12/20/2011 1:51:45 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Diethyl phthalate	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Dimethyl phthalate	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2,4-Dichlorophenol	ND	100		µg/L	1	12/20/2011 1:51:45 PM
2,4-Dimethylphenol	650	50		µg/L	1	12/20/2011 1:51:45 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	12/20/2011 1:51:45 PM
2,4-Dinitrophenol	ND	100		µg/L	1	12/20/2011 1:51:45 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Fluoranthene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Fluorene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Hexachlorobenzene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Hexachlorobutadiene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Hexachloroethane	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Isophorone	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2-Methylnaphthalene	1100	50		µg/L	1	12/20/2011 1:51:45 PM
1-Methylnaphthalene	610	50		µg/L	1	12/20/2011 1:51:45 PM
2-Methylphenol	2400	500		µg/L	10	12/20/2011 7:11:00 PM
3+4-Methylphenol	4200	500		µg/L	10	12/20/2011 7:11:00 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	12/20/2011 1:51:45 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	12/20/2011 1:51:45 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Naphthalene	550	50		µg/L	1	12/20/2011 1:51:45 PM
2-Nitroaniline	ND	50		µg/L	1	12/20/2011 1:51:45 PM
3-Nitroaniline	ND	50		µg/L	1	12/20/2011 1:51:45 PM
4-Nitroaniline	ND	100		µg/L	1	12/20/2011 1:51:45 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFFLU
Lab Order:	1112745	**Collection Date:**	12/14/2011 11:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112745-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Nitrobenzene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2-Nitrophenol	ND	50		µg/L	1	12/20/2011 1:51:45 PM
4-Nitrophenol	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Pentachlorophenol	ND	100		µg/L	1	12/20/2011 1:51:45 PM
Phenanthrene	200	50		µg/L	1	12/20/2011 1:51:45 PM
Phenol	8400	500		µg/L	10	12/20/2011 7:11:00 PM
Pyrene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Pyridine	120	50		µg/L	1	12/20/2011 1:51:45 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	12/20/2011 1:51:45 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	12/20/2011 1:51:45 PM
Surr: 2,4,6-Tribromophenol	58.6	18.1-138		%REC	1	12/20/2011 1:51:45 PM
Surr: 2-Fluorobiphenyl	53.8	25.9-101		%REC	1	12/20/2011 1:51:45 PM
Surr: 2-Fluorophenol	13.8	12.5-93.2		%REC	1	12/20/2011 1:51:45 PM
Surr: 4-Terphenyl-d14	59.6	29.5-112		%REC	1	12/20/2011 1:51:45 PM
Surr: Nitrobenzene-d5	52.2	20.5-120		%REC	1	12/20/2011 1:51:45 PM
Surr: Phenol-d5	33.7	11.3-73.2		%REC	1	12/20/2011 1:51:45 PM
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	19000	500		µg/L	500	12/21/2011 9:41:03 PM
Toluene	20000	500		µg/L	500	12/21/2011 9:41:03 PM
Ethylbenzene	1400	100		µg/L	100	12/21/2011 10:09:00 PM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2,4-Trimethylbenzene	1100	100		µg/L	100	12/21/2011 10:09:00 PM
1,3,5-Trimethylbenzene	400	100		µg/L	100	12/21/2011 10:09:00 PM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Naphthalene	310	200		µg/L	100	12/21/2011 10:09:00 PM
1-Methylnaphthalene	ND	400		µg/L	100	12/21/2011 10:09:00 PM
2-Methylnaphthalene	ND	400		µg/L	100	12/21/2011 10:09:00 PM
Acetone	10000	1000		µg/L	100	12/21/2011 10:09:00 PM
Bromobenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Bromodichloromethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Bromoform	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Bromomethane	ND	300		µg/L	100	12/21/2011 10:09:00 PM
2-Butanone	ND	1000		µg/L	100	12/21/2011 10:09:00 PM
Carbon disulfide	ND	1000		µg/L	100	12/21/2011 10:09:00 PM
Carbon Tetrachloride	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Chlorobenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Chloroethane	ND	200		µg/L	100	12/21/2011 10:09:00 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
- 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS EFFLU
Lab Order: 1112745
Collection Date: 12/14/2011 11:30:00 AM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112745-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Chloroform	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Chloromethane	ND	300		µg/L	100	12/21/2011 10:09:00 PM
2-Chlorotoluene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
4-Chlorotoluene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
cis-1,2-DCE	ND	100		µg/L	100	12/21/2011 10:09:00 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	12/21/2011 10:09:00 PM
Dibromochloromethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Dibromomethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Dichlorodifluoromethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,1-Dichloroethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,1-Dichloroethene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2-Dichloropropane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,3-Dichloropropane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
2,2-Dichloropropane	ND	200		µg/L	100	12/21/2011 10:09:00 PM
1,1-Dichloropropene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Hexachlorobutadiene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
2-Hexanone	ND	1000		µg/L	100	12/21/2011 10:09:00 PM
Isopropylbenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
4-Isopropyltoluene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	12/21/2011 10:09:00 PM
Methylene Chloride	ND	300		µg/L	100	12/21/2011 10:09:00 PM
n-Butylbenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
n-Propylbenzene	210	100		µg/L	100	12/21/2011 10:09:00 PM
sec-Butylbenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Styrene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
tert-Butylbenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	12/21/2011 10:09:00 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	12/21/2011 10:09:00 PM
trans-1,2-DCE	ND	100		µg/L	100	12/21/2011 10:09:00 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Trichloroethene (TCE)	ND	100		µg/L	100	12/21/2011 10:09:00 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
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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** NAPIS EFFLU
Lab Order: 1112745 — **Collection Date:** 12/14/2011 11:30:00 AM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-03 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Trichlorofluoromethane	ND	100		µg/L	100	12/21/2011 10:09:00 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	12/21/2011 10:09:00 PM
Vinyl chloride	ND	100		µg/L	100	12/21/2011 10:09:00 PM
Xylenes, Total	8900	150		µg/L	100	12/21/2011 10:09:00 PM
Surr: 1,2-Dichloroethane-d4	90.9	70-130		%REC	100	12/21/2011 10:09:00 PM
Surr: 4-Bromofluorobenzene	86.3	73-131		%REC	100	12/21/2011 10:09:00 PM
Surr: Dibromofluoromethane	99.5	70-130		%REC	100	12/21/2011 10:09:00 PM
Surr: Toluene-d8	84.3	70-130		%REC	100	12/21/2011 10:09:00 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: IC
Specific Conductance	6000	0.010		µmhos/cm	1	12/21/2011 4:21:00 PM
SM4500-H+B: PH						Analyst: IC
pH	9.40	0.100	H	pH units	1	12/21/2011 4:21:00 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
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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** AL-2 TO EP-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 12:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-04 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.8	1.0		mg/L	1	12/19/2011 9:39:10 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 9:39:10 PM
Surr: DNOP	134	81.1-147		%REC	1	12/19/2011 9:39:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.30	0.25		mg/L	5	12/24/2011 8:13:47 AM
Surr: BFB	89.4	69.3-120		%REC	5	12/24/2011 8:13:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	41	10		mg/L	100	12/17/2011 5:43:59 AM
Chloride	2900	100		mg/L	200	12/29/2011 4:24:39 PM
Bromide	2.5	1.0		mg/L	10	12/17/2011 5:19:09 AM
Nitrate (As N)+Nitrite (As N)	10	1.0		mg/L	5	12/28/2011 9:08:57 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	12/29/2011 1:29:39 AM
Sulfate	890	50		mg/L	100	12/29/2011 1:17:14 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.023	0.0020		mg/L	1	12/30/2011 12:15:49 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 12:15:49 PM
Calcium	41	5.0		mg/L	5	12/30/2011 4:59:24 PM
Chromium	0.011	0.0060		mg/L	1	12/30/2011 12:15:49 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 12:15:49 PM
Iron	1.2	0.10		mg/L	5	12/30/2011 4:59:24 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 12:15:49 PM
Magnesium	37	5.0		mg/L	5	12/30/2011 4:59:24 PM
Manganese	0.10	0.0020		mg/L	1	12/30/2011 12:15:49 PM
Potassium	42	5.0		mg/L	5	12/30/2011 4:59:24 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 12:15:49 PM
Sodium	2600	50		mg/L	50	12/30/2011 12:18:42 PM
Zinc	0.023	0.010		mg/L	1	12/30/2011 12:15:49 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.19	0.0020		mg/L	1	12/21/2011 2:43:00 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 2:43:00 PM
Calcium	73	1.0		mg/L	1	12/21/2011 2:43:00 PM
Chromium	0.019	0.0060		mg/L	1	12/21/2011 2:43:00 PM
Copper	0.028	0.0060		mg/L	1	12/21/2011 2:43:00 PM
Iron	13	0.40		mg/L	20	12/22/2011 2:01:28 PM
Lead	ND	0.0050		mg/L	1	12/21/2011 2:43:00 PM
Magnesium	42	1.0		mg/L	1	12/21/2011 2:43:00 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
- 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** AL-2 TO EP-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 12:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-04 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Manganese	0.14	0.0020		mg/L	1	12/21/2011 2:43:00 PM
Potassium	42	1.0		mg/L	1	12/21/2011 2:43:00 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 2:43:00 PM
Sodium	2500	50		mg/L	50	12/22/2011 3:03:15 PM
Zinc	0.24	0.010		mg/L	1	12/21/2011 2:43:00 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0064	0.0010		mg/L	1	12/28/2011 2:18:01 PM
Selenium	0.0079	0.0010		mg/L	1	12/28/2011 2:18:01 PM
Uranium	0.0045	0.0010		mg/L	1	12/28/2011 3:38:08 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.017	0.0025		mg/L	2.5	12/29/2011 4:29:41 PM
Selenium	0.010	0.0025		mg/L	2.5	12/29/2011 4:29:41 PM
Uranium	0.0067	0.0025		mg/L	2.5	12/29/2011 4:29:41 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.020	0.0010		mg/L	5	12/20/2011 2:31:41 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Acenaphthylene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Aniline	770	50		µg/L	1	12/20/2011 2:20:52 PM
Anthracene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Azobenzene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Benz(a)anthracene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Benzo(a)pyrene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Benzoic acid	ND	100		µg/L	1	12/20/2011 2:20:52 PM
Benzyl alcohol	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	12/20/2011 2:20:52 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Butyl benzyl phthalate	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Carbazole	ND	50		µg/L	1	12/20/2011 2:20:52 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	12/20/2011 2:20:52 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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** AL-2 TO EP-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 12:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-04 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloroaniline	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2-Chloronaphthalene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2-Chlorophenol	ND	50		µg/L	1	12/20/2011 2:20:52 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Chrysene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Di-n-butyl phthalate	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Di-n-octyl phthalate	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Dibenzofuran	ND	50		µg/L	1	12/20/2011 2:20:52 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Diethyl phthalate	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Dimethyl phthalate	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2,4-Dichlorophenol	ND	100		µg/L	1	12/20/2011 2:20:52 PM
2,4-Dimethylphenol	510	50		µg/L	1	12/20/2011 2:20:52 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	12/20/2011 2:20:52 PM
2,4-Dinitrophenol	ND	100		µg/L	1	12/20/2011 2:20:52 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Fluoranthene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Fluorene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Hexachlorobenzene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Hexachlorobutadiene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Hexachloroethane	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Isophorone	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2-Methylnaphthalene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
1-Methylnaphthalene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2-Methylphenol	2800	500		µg/L	10	12/20/2011 7:40:05 PM
3+4-Methylphenol	5700	500		µg/L	10	12/20/2011 7:40:05 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	12/20/2011 2:20:52 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	12/20/2011 2:20:52 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Naphthalene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2-Nitroaniline	ND	50		µg/L	1	12/20/2011 2:20:52 PM
3-Nitroaniline	ND	50		µg/L	1	12/20/2011 2:20:52 PM
4-Nitroaniline	ND	100		µg/L	1	12/20/2011 2:20:52 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** AL-2 TO EP-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 12:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-04 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Nitrobenzene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2-Nitrophenol	ND	50		µg/L	1	12/20/2011 2:20:52 PM
4-Nitrophenol	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Pentachlorophenol	ND	100		µg/L	1	12/20/2011 2:20:52 PM
Phenanthrene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Phenol	11000	500		µg/L	10	12/20/2011 7:40:05 PM
Pyrene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Pyridine	ND	50		µg/L	1	12/20/2011 2:20:52 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	12/20/2011 2:20:52 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	12/20/2011 2:20:52 PM
Surr: 2,4,6-Tribromophenol	77.1	18.1-138		%REC	1	12/20/2011 2:20:52 PM
Surr: 2-Fluorobiphenyl	67.6	25.9-101		%REC	1	12/20/2011 2:20:52 PM
Surr: 2-Fluorophenol	57.2	12.5-93.2		%REC	1	12/20/2011 2:20:52 PM
Surr: 4-Terphenyl-d14	79.2	29.5-112		%REC	1	12/20/2011 2:20:52 PM
Surr: Nitrobenzene-d5	70.9	20.5-120		%REC	1	12/20/2011 2:20:52 PM
Surr: Phenol-d5	41.3	11.3-73.2		%REC	1	12/20/2011 2:20:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Toluene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Ethylbenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2,4-Trimethylbenzene	12	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Naphthalene	21	10		µg/L	5	12/21/2011 11:04:53 PM
1-Methylnaphthalene	28	20		µg/L	5	12/21/2011 11:04:53 PM
2-Methylnaphthalene	44	20		µg/L	5	12/21/2011 11:04:53 PM
Acetone	750	500		µg/L	50	12/23/2011 12:40:32 AM
Bromobenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Bromodichloromethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Bromoform	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Bromomethane	ND	15		µg/L	5	12/21/2011 11:04:53 PM
2-Butanone	390	50		µg/L	5	12/21/2011 11:04:53 PM
Carbon disulfide	82	50		µg/L	5	12/21/2011 11:04:53 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Chlorobenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Chloroethane	ND	10		µg/L	5	12/21/2011 11:04:53 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** AL-2 TO EP-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 12:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-04 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Chloroform	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Chloromethane	ND	15		µg/L	5	12/21/2011 11:04:53 PM
2-Chlorotoluene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
4-Chlorotoluene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
cis-1,2-DCE	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/21/2011 11:04:53 PM
Dibromochloromethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Dibromomethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
2,2-Dichloropropane	ND	10		µg/L	5	12/21/2011 11:04:53 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
2-Hexanone	ND	50		µg/L	5	12/21/2011 11:04:53 PM
Isopropylbenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/21/2011 11:04:53 PM
Methylene Chloride	ND	15		µg/L	5	12/21/2011 11:04:53 PM
n-Butylbenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
n-Propylbenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
sec-Butylbenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Styrene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
tert-Butylbenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/21/2011 11:04:53 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
trans-1,2-DCE	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/21/2011 11:04:53 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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** AL-2 TO EP-1

Lab Order: 1112745 — **Collection Date:** 12/14/2011 12:45:00 PM

Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011

Lab ID: 1112745-04 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Trichlorofluoromethane	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/21/2011 11:04:53 PM
Vinyl chloride	ND	5.0		µg/L	5	12/21/2011 11:04:53 PM
Xylenes, Total	8.7	7.5		µg/L	5	12/21/2011 11:04:53 PM
Surr: 1,2-Dichloroethane-d4	90.1	70-130		%REC	5	12/21/2011 11:04:53 PM
Surr: 4-Bromofluorobenzene	86.4	73-131		%REC	5	12/21/2011 11:04:53 PM
Surr: Dibromofluoromethane	96.5	70-130		%REC	5	12/21/2011 11:04:53 PM
Surr: Toluene-d8	85.5	70-130		%REC	5	12/21/2011 11:04:53 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** GWM-2
Lab Order: 1112745 — **Collection Date:** 12/14/2011 1:20:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-05 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/19/2011 10:47:09 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 10:47:09 PM
Surr: DNOP	134	81.1-147		%REC	1	12/19/2011 10:47:09 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/24/2011 8:03:16 PM
Surr: BFB	150	69.3-120	S	%REC	1	12/24/2011 8:03:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	2.7	2.5		µg/L	1	12/24/2011 8:03:16 PM
Benzene	ND	1.0		µg/L	1	12/24/2011 8:03:16 PM
Toluene	ND	1.0		µg/L	1	12/24/2011 8:03:16 PM
Ethylbenzene	ND	1.0		µg/L	1	12/24/2011 8:03:16 PM
Xylenes, Total	ND	2.0		µg/L	1	12/24/2011 8:03:16 PM
Surr: 4-Bromofluorobenzene	138	76.5-115	S	%REC	1	12/24/2011 8:03:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	0.48	0.10		mg/L	1	12/17/2011 2:50:09 AM
Chloride	2100	100		mg/L	200	12/29/2011 4:42:04 PM
Bromide	4.0	2.0		mg/L	20	12/17/2011 3:02:34 AM
Nitrate (As N)+Nitrite (As N)	25	2.0		mg/L	10	12/28/2011 8:31:43 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/28/2011 11:37:54 PM
Sulfate	1000	50		mg/L	100	12/28/2011 11:25:30 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Calcium	620	10		mg/L	10	12/21/2011 2:52:50 PM
Magnesium	120	10		mg/L	10	12/21/2011 2:52:50 PM
Potassium	4.1	1.0		mg/L	1	12/21/2011 2:50:04 PM
Sodium	1500	20		mg/L	20	12/22/2011 2:03:59 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
- 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: GWM-1
Lab Order: 1112745
Collection Date: 12/14/2011 1:45:00 PM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112745-06
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	2.9	1.0		mg/L	1	12/19/2011 11:21:05 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 11:21:05 PM
Surr: DNOP	146	81.1-147		%REC	1	12/19/2011 11:21:05 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.81	0.050		mg/L	1	12/24/2011 8:43:59 AM
Surr: BFB	109	69.3-120		%REC	1	12/24/2011 8:43:59 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	1.2	0.10		mg/L	1	12/17/2011 3:14:58 AM
Chloride	1300	50		mg/L	100	12/28/2011 11:50:19 PM
Bromide	2.5	2.0		mg/L	20	12/17/2011 3:27:23 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	12/28/2011 8:44:08 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/29/2011 12:02:44 AM
Sulfate	54	10		mg/L	20	12/29/2011 12:02:44 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.52	0.010		mg/L	5	12/30/2011 12:24:35 PM
Cadmium	ND	0.010		mg/L	5	12/30/2011 12:24:35 PM
Calcium	280	5.0		mg/L	5	12/30/2011 12:24:35 PM
Chromium	ND	0.030		mg/L	5	12/30/2011 12:24:35 PM
Copper	ND	0.030		mg/L	5	12/30/2011 12:24:35 PM
Iron	11	1.0		mg/L	50	12/30/2011 12:45:40 PM
Lead	ND	0.025		mg/L	5	12/30/2011 12:24:35 PM
Magnesium	65	5.0		mg/L	5	12/30/2011 12:24:35 PM
Manganese	2.3	0.010		mg/L	5	12/30/2011 12:24:35 PM
Potassium	ND	5.0		mg/L	5	12/30/2011 12:24:35 PM
Silver	ND	0.025		mg/L	5	12/30/2011 12:24:35 PM
Sodium	1200	50		mg/L	50	12/30/2011 12:45:40 PM
Zinc	ND	0.050		mg/L	5	12/30/2011 12:24:35 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.67	0.0020		mg/L	1	12/21/2011 2:55:52 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 2:55:52 PM
Calcium	ND	10		mg/L	10	12/21/2011 3:07:24 PM
Chromium	ND	0.0060		mg/L	1	12/21/2011 2:55:52 PM
Copper	0.029	0.0060		mg/L	1	12/21/2011 2:55:52 PM
Iron	15	0.40		mg/L	20	12/22/2011 2:07:06 PM
Lead	0.023	0.0050		mg/L	1	12/21/2011 2:55:52 PM
Magnesium	61	1.0		mg/L	1	12/21/2011 2:55:52 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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** GWM-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 1:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-06 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Manganese	2.5	0.020		mg/L	10	12/21/2011 3:07:24 PM
Potassium	4.0	1.0		mg/L	1	12/21/2011 2:55:52 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 2:55:52 PM
Sodium	1100	20		mg/L	20	12/22/2011 2:07:06 PM
Zinc	0.041	0.010		mg/L	1	12/21/2011 2:55:52 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.088	0.0020		mg/L	2	12/28/2011 2:20:02 PM
Selenium	0.0067	0.0020		mg/L	2	12/28/2011 2:20:02 PM
Uranium	0.020	0.0020		mg/L	2	12/28/2011 3:40:21 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.097	0.0025		mg/L	2.5	12/29/2011 4:31:42 PM
Selenium	0.0047	0.0025		mg/L	2.5	12/29/2011 4:31:42 PM
Uranium	0.020	0.0025		mg/L	2.5	12/29/2011 4:31:42 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:17:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Benzene	8.5	1.0		µg/L	1	12/22/2011 12:00:24 AM
Toluene	1.9	1.0		µg/L	1	12/22/2011 12:00:24 AM
Ethylbenzene	4.2	1.0		µg/L	1	12/22/2011 12:00:24 AM
Methyl tert-butyl ether (MTBE)	54	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2,4-Trimethylbenzene	4.0	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Naphthalene	ND	2.0		µg/L	1	12/22/2011 12:00:24 AM
1-Methylnaphthalene	5.2	4.0		µg/L	1	12/22/2011 12:00:24 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/22/2011 12:00:24 AM
Acetone	ND	10		µg/L	1	12/22/2011 12:00:24 AM
Bromobenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Bromoform	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Bromomethane	ND	3.0		µg/L	1	12/22/2011 12:00:24 AM
2-Butanone	ND	10		µg/L	1	12/22/2011 12:00:24 AM
Carbon disulfide	ND	10		µg/L	1	12/22/2011 12:00:24 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Chlorobenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** GWM-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 1:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-06 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Chloroethane	ND	2.0		µg/L	1	12/22/2011 12:00:24 AM
Chloroform	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Chloromethane	ND	3.0		µg/L	1	12/22/2011 12:00:24 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/22/2011 12:00:24 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Dibromomethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/22/2011 12:00:24 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
2-Hexanone	ND	10		µg/L	1	12/22/2011 12:00:24 AM
Isopropylbenzene	1.3	1.0		µg/L	1	12/22/2011 12:00:24 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/22/2011 12:00:24 AM
Methylene Chloride	ND	3.0		µg/L	1	12/22/2011 12:00:24 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
n-Propylbenzene	2.2	1.0		µg/L	1	12/22/2011 12:00:24 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Styrene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/22/2011 12:00:24 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** GWM-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 1:45:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-06 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/22/2011 12:00:24 AM
Vinyl chloride	ND	1.0		µg/L	1	12/22/2011 12:00:24 AM
Xylenes, Total	14	1.5		µg/L	1	12/22/2011 12:00:24 AM
Surr: 1,2-Dichloroethane-d4	87.8	70-130		%REC	1	12/22/2011 12:00:24 AM
Surr: 4-Bromofluorobenzene	102	73-131		%REC	1	12/22/2011 12:00:24 AM
Surr: Dibromofluoromethane	89.4	70-130		%REC	1	12/22/2011 12:00:24 AM
Surr: Toluene-d8	89.4	70-130		%REC	1	12/22/2011 12:00:24 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** GWM-3
Lab Order: 1112745 — **Collection Date:** 12/14/2011 2:20:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-07 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.3	1.0		mg/L	1	12/19/2011 11:54:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 11:54:24 PM
Surr: DNOP	135	81.1-147		%REC	1	12/19/2011 11:54:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/24/2011 5:54:04 PM
Surr: BFB	93.3	69.3-120		%REC	1	12/24/2011 5:54:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	12/24/2011 5:54:04 PM
Benzene	ND	1.0		µg/L	1	12/24/2011 5:54:04 PM
Toluene	ND	1.0		µg/L	1	12/24/2011 5:54:04 PM
Ethylbenzene	ND	1.0		µg/L	1	12/24/2011 5:54:04 PM
Xylenes, Total	ND	2.0		µg/L	1	12/24/2011 5:54:04 PM
Surr: 4-Bromofluorobenzene	101	76.5-115		%REC	1	12/24/2011 5:54:04 PM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	5.0	2.0		mg/L	20	12/17/2011 3:52:13 AM
Chloride	1400	50		mg/L	100	12/29/2011 12:15:09 AM
Bromide	2.5	2.0		mg/L	20	12/17/2011 3:52:13 AM
Nitrate (As N)+Nitrite (As N)	51	2.0		mg/L	10	12/28/2011 8:56:32 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/29/2011 12:52:24 AM
Sulfate	1800	50		mg/L	100	12/29/2011 12:15:09 AM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Calcium	440	10		mg/L	10	12/21/2011 3:12:23 PM
Magnesium	79	1.0		mg/L	1	12/21/2011 3:09:44 PM
Potassium	4.6	1.0		mg/L	1	12/21/2011 3:09:44 PM
Sodium	1300	20		mg/L	20	12/22/2011 2:09:41 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** NAPIS-1
Lab Order: 1112745 — **Collection Date:** 12/14/2011 2:50:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-08 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/20/2011 12:28:16 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/20/2011 12:28:16 AM
Surr: DNOP	130	81.1-147		%REC	1	12/20/2011 12:28:16 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/24/2011 6:24:27 PM
Surr: BFB	97.3	69.3-120		%REC	1	12/24/2011 6:24:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	12/24/2011 6:24:27 PM
Benzene	ND	1.0		µg/L	1	12/24/2011 6:24:27 PM
Toluene	ND	1.0		µg/L	1	12/24/2011 6:24:27 PM
Ethylbenzene	ND	1.0		µg/L	1	12/24/2011 6:24:27 PM
Xylenes, Total	ND	2.0		µg/L	1	12/24/2011 6:24:27 PM
Surr: 4-Bromofluorobenzene	97.0	76.5-115		%REC	1	12/24/2011 6:24:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	0.67	0.10		mg/L	1	12/17/2011 2:00:29 AM
Chloride	150	10		mg/L	20	12/28/2011 11:13:05 PM
Bromide	2.0	0.10		mg/L	1	12/17/2011 2:00:29 AM
Nitrate (As N)+Nitrite (As N)	4.7	1.0		mg/L	5	12/28/2011 8:19:19 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/28/2011 11:13:05 PM
Sulfate	82	10		mg/L	20	12/28/2011 11:13:05 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.12	0.0020		mg/L	1	12/30/2011 12:48:49 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 12:48:49 PM
Calcium	84	10		mg/L	10	12/30/2011 12:52:02 PM
Chromium	ND	0.0060		mg/L	1	12/30/2011 12:48:49 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 12:48:49 PM
Iron	0.27	0.20		mg/L	10	12/30/2011 12:52:02 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 12:48:49 PM
Magnesium	15	10		mg/L	10	12/30/2011 12:52:02 PM
Manganese	0.0068	0.0020		mg/L	1	12/30/2011 12:48:49 PM
Potassium	ND	5.0		mg/L	5	12/30/2011 5:02:42 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 12:48:49 PM
Sodium	380	10		mg/L	10	12/30/2011 12:52:02 PM
Zinc	ND	0.010		mg/L	1	12/30/2011 12:48:49 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**

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

CLIENT: Western Refining Southwest, Gallup **Client Sample ID:** NAPIS-1

Lab Order: 1112745 **Collection Date:** 12/14/2011 2:50:00 PM

Project: 4th QTR 2011 Sampling **Date Received:** 12/16/2011

Lab ID: 1112745-08 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.19	0.0020		mg/L	1	12/21/2011 3:15:25 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 3:15:25 PM
Calcium	89	10		mg/L	10	12/21/2011 3:17:59 PM
Chromium	ND	0.0060		mg/L	1	12/21/2011 3:15:25 PM
Copper	ND	0.0060		mg/L	1	12/21/2011 3:15:25 PM
Iron	2.9	0.20		mg/L	10	12/22/2011 2:14:22 PM
Lead	ND	0.0050		mg/L	1	12/21/2011 3:15:25 PM
Magnesium	17	10		mg/L	10	12/21/2011 3:17:59 PM
Manganese	0.12	0.0020		mg/L	1	12/21/2011 3:15:25 PM
Potassium	ND	10		mg/L	10	12/21/2011 3:17:59 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 3:15:25 PM
Sodium	390	10		mg/L	10	12/21/2011 3:17:59 PM
Zinc	0.017	0.010		mg/L	1	12/21/2011 3:15:25 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0017	0.0010		mg/L	1	12/28/2011 2:22:03 PM
Selenium	0.0039	0.0010		mg/L	1	12/28/2011 2:22:03 PM
Uranium	0.021	0.0010		mg/L	1	12/28/2011 3:42:22 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	12/29/2011 4:33:44 PM
Selenium	0.0033	0.0025		mg/L	2.5	12/29/2011 4:33:44 PM
Uranium	0.019	0.0025		mg/L	2.5	12/29/2011 4:33:44 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:19:14 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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** EAST LDU
Lab Order: 1112745 — **Collection Date:** 12/14/2011 3:00:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-09 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	33	1.0		mg/L	1	12/20/2011 1:01:51 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/20/2011 1:01:51 AM
Surr: DNOP	130	81.1-147		%REC	1	12/20/2011 1:01:51 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	33	5.0		mg/L	100	12/24/2011 6:54:38 PM
Surr: BFB	80.9	69.3-120		%REC	100	12/24/2011 6:54:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	250		µg/L	100	12/24/2011 6:54:38 PM
Benzene	1800	100		µg/L	100	12/24/2011 6:54:38 PM
Toluene	4200	100		µg/L	100	12/24/2011 6:54:38 PM
Ethylbenzene	560	100		µg/L	100	12/24/2011 6:54:38 PM
Xylenes, Total	6700	200		µg/L	100	12/24/2011 6:54:38 PM
Surr: 4-Bromofluorobenzene	86.6	76.5-115		%REC	100	12/24/2011 6:54:38 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.31	0.0020		mg/L	1	12/30/2011 12:55:07 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 12:55:07 PM
Chromium	0.12	0.0060		mg/L	1	12/30/2011 12:55:07 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 12:55:07 PM
Iron	0.21	0.20		mg/L	10	12/30/2011 12:58:23 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 12:55:07 PM
Manganese	0.39	0.0020		mg/L	1	12/30/2011 12:55:07 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 12:55:07 PM
Zinc	ND	0.010		mg/L	1	12/30/2011 12:55:07 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.34	0.0020		mg/L	1	12/21/2011 3:22:41 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 3:22:41 PM
Calcium	51	1.0		mg/L	1	12/21/2011 3:22:41 PM
Chromium	0.14	0.0060		mg/L	1	12/21/2011 3:22:41 PM
Copper	ND	0.0060		mg/L	1	12/21/2011 3:22:41 PM
Iron	0.54	0.020		mg/L	1	12/22/2011 2:17:24 PM
Lead	ND	0.0050		mg/L	1	12/21/2011 3:22:41 PM
Magnesium	13	1.0		mg/L	1	12/21/2011 3:22:41 PM
Manganese	0.42	0.0020		mg/L	1	12/21/2011 3:22:41 PM
Potassium	130	10		mg/L	10	12/21/2011 3:26:00 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 3:22:41 PM
Sodium	410	10		mg/L	10	12/21/2011 3:26:00 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup — Client Sample ID: EAST LDU

Lab Order: 1112745 — **Collection Date:** 12/14/2011 3:00:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-09 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: ELS
Zinc	0.018	0.010		mg/L	1	12/21/2011 3:22:41 PM
EPA 200.8: DISSOLVED METALS						Analyst: SNV
Arsenic	0.0035	0.0010		mg/L	1	12/28/2011 2:28:11 PM
Selenium	0.0018	0.0010		mg/L	1	12/28/2011 2:28:11 PM
Uranium	ND	0.0010		mg/L	1	12/28/2011 3:44:24 PM
EPA 200.8: METALS						Analyst: SNV
Arsenic	0.0082	0.0025		mg/L	2.5	12/29/2011 4:35:45 PM
Selenium	ND	0.0025		mg/L	2.5	12/29/2011 4:35:45 PM
Uranium	ND	0.0025		mg/L	2.5	12/29/2011 4:35:45 PM
EPA METHOD 245.1: MERCURY						Analyst: JLF
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:21:00 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
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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** WEST LDU
Lab Order: 1112745 — **Collection Date:** 12/14/2011 3:10:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-10 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	22	1.0		mg/L	1	12/20/2011 1:35:45 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/20/2011 1:35:45 AM
Surr: DNOP	146	81.1-147		%REC	1	12/20/2011 1:35:45 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	45	5.0		mg/L	100	12/24/2011 7:24:50 PM
Surr: BFB	99.4	69.3-120		%REC	100	12/24/2011 7:24:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	250		µg/L	100	12/24/2011 7:24:50 PM
Benzene	2300	100		µg/L	100	12/24/2011 7:24:50 PM
Toluene	8300	100		µg/L	100	12/24/2011 7:24:50 PM
Ethylbenzene	830	100		µg/L	100	12/24/2011 7:24:50 PM
Xylenes, Total	7200	200		µg/L	100	12/24/2011 7:24:50 PM
Surr: 4-Bromofluorobenzene	108	76.5-115		%REC	100	12/24/2011 7:24:50 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.30	0.0020		mg/L	1	12/30/2011 1:01:22 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 1:01:22 PM
Chromium	0.066	0.0060		mg/L	1	12/30/2011 1:01:22 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 1:01:22 PM
Iron	1.3	0.10		mg/L	5	12/30/2011 1:04:28 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 1:01:22 PM
Manganese	0.31	0.0020		mg/L	1	12/30/2011 1:01:22 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 1:01:22 PM
Zinc	0.040	0.010		mg/L	1	12/30/2011 1:01:22 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	1.4	0.020		mg/L	10	12/21/2011 3:31:58 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 3:29:01 PM
Calcium	46	1.0		mg/L	1	12/21/2011 3:29:01 PM
Chromium	0.082	0.0060		mg/L	1	12/21/2011 3:29:01 PM
Copper	0.045	0.0060		mg/L	1	12/21/2011 3:29:01 PM
Iron	9.1	0.40		mg/L	20	12/22/2011 2:20:45 PM
Lead	0.016	0.0050		mg/L	1	12/21/2011 3:29:01 PM
Magnesium	41	1.0		mg/L	1	12/21/2011 3:29:01 PM
Manganese	0.34	0.0020		mg/L	1	12/21/2011 3:29:01 PM
Potassium	460	10		mg/L	10	12/21/2011 3:31:58 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 3:29:01 PM
Sodium	1500	20		mg/L	20	12/22/2011 2:20:45 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: *10-Jan-12*

Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** WEST LDU

Lab Order: 1112745 — **Collection Date:** 12/14/2011 3:10:00 PM

Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011

Lab ID: 1112745-10 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Zinc	0.87	0.010		mg/L	1	12/21/2011 3:29:01 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0071	0.0050		mg/L	5	12/28/2011 2:30:12 PM
Selenium	ND	0.0050		mg/L	5	12/28/2011 2:30:12 PM
Uranium	ND	0.0050		mg/L	5	12/28/2011 3:46:25 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.011	0.0025		mg/L	2.5	12/29/2011 4:37:46 PM
Selenium	ND	0.0050		mg/L	5	12/29/2011 4:48:37 PM
Uranium	ND	0.0025		mg/L	2.5	12/29/2011 4:37:46 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.0036	0.00020		mg/L	1	12/20/2011 2:22:46 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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** OIL SUMP LDU
Lab Order: 1112745 — **Collection Date:** 12/14/2011 3:25:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-11 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	14	1.0		mg/L	1	12/20/2011 2:09:40 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/20/2011 2:09:40 AM
Surr: DNOP	136	81.1-147		%REC	1	12/20/2011 2:09:40 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	52	10		mg/L	200	12/24/2011 7:55:03 PM
Surr: BFB	84.4	69.3-120		%REC	200	12/24/2011 7:55:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	12/24/2011 7:55:03 PM
Benzene	3400	200		µg/L	200	12/24/2011 7:55:03 PM
Toluene	7500	200		µg/L	200	12/24/2011 7:55:03 PM
Ethylbenzene	760	200		µg/L	200	12/24/2011 7:55:03 PM
Xylenes, Total	7400	400		µg/L	200	12/24/2011 7:55:03 PM
Surr: 4-Bromofluorobenzene	90.3	76.5-115		%REC	200	12/24/2011 7:55:03 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.23	0.0020		mg/L	1	12/30/2011 1:10:37 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 1:10:37 PM
Chromium	0.030	0.0060		mg/L	1	12/30/2011 1:10:37 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 1:10:37 PM
Iron	0.28	0.020		mg/L	1	12/30/2011 1:10:37 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 1:10:37 PM
Manganese	0.35	0.0020		mg/L	1	12/30/2011 1:10:37 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 1:10:37 PM
Zinc	0.015	0.010		mg/L	1	12/30/2011 1:10:37 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	0.24	0.0020		mg/L	1	12/21/2011 3:34:59 PM
Cadmium	ND	0.0020		mg/L	1	12/21/2011 3:34:59 PM
Calcium	39	10		mg/L	10	12/22/2011 2:23:44 PM
Chromium	0.034	0.0060		mg/L	1	12/21/2011 3:34:59 PM
Copper	ND	0.0060		mg/L	1	12/21/2011 3:34:59 PM
Iron	0.59	0.20		mg/L	10	12/22/2011 2:23:44 PM
Lead	ND	0.0050		mg/L	1	12/21/2011 3:34:59 PM
Magnesium	12	10		mg/L	10	12/22/2011 2:23:44 PM
Manganese	0.37	0.0020		mg/L	1	12/21/2011 3:34:59 PM
Potassium	60	10		mg/L	10	12/22/2011 2:23:44 PM
Silver	ND	0.0050		mg/L	1	12/21/2011 3:34:59 PM
Sodium	520	10		mg/L	10	12/22/2011 2:23:44 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** OIL SUMP LDU

Lab Order: 1112745 — **Collection Date:** 12/14/2011 3:25:00 PM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112745-11 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **ELS**
Zinc	0.018	0.010		mg/L	1	12/21/2011 3:34:59 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0062	0.0010		mg/L	1	12/28/2011 4:18:35 PM
Selenium	0.011	0.0010		mg/L	1	12/28/2011 4:18:35 PM
Uranium	ND	0.0010		mg/L	1	12/28/2011 4:18:35 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.012	0.0025		mg/L	2.5	12/29/2011 4:41:49 PM
Selenium	0.0040	0.0025		mg/L	2.5	12/29/2011 4:41:49 PM
Uranium	ND	0.0025		mg/L	2.5	12/29/2011 4:41:49 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:24:34 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: *10-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup **Client Sample ID:** TRIP BLANK

Lab Order: 1112745 **Collection Date:**

Project: 4th QTR 2011 Sampling **Date Received:** 12/16/2011

Lab ID: 1112745-12 **Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	12/24/2011 8:55:13 PM
Benzene	ND	1.0		µg/L	1	12/24/2011 8:55:13 PM
Toluene	ND	1.0		µg/L	1	12/24/2011 8:55:13 PM
Ethylbenzene	ND	1.0		µg/L	1	12/24/2011 8:55:13 PM
Xylenes, Total	ND	2.0		µg/L	1	12/24/2011 8:55:13 PM
Surr: 4-Bromofluorobenzene	97.0	76.5-115		%REC	1	12/24/2011 8:55:13 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
ect: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Metals**											
Sample ID: **MB-29832**		*MBLK*				Batch ID:	**29832**	Analysis Date:	12/21/2011 1:15:04 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **LCS-29832**		*LCS*				Batch ID:	**29832**	Analysis Date:	12/21/2011 1:17:57 PM		
Arsenic	0.5041	mg/L	0.020	0.5	0	101	85	115			
Barium	0.4900	mg/L	0.0020	0.5	0	98.0	85	115			
Cadmium	0.4942	mg/L	0.0020	0.5	0	98.8	85	115			
Calcium	51.50	mg/L	1.0	50	0	103	85	115			
[illegible]nium	0.4876	mg/L	0.0060	0.5	0	97.5	85	115			
[illegible]per	0.4905	mg/L	0.0060	0.5	0	98.1	85	115			
Iron	0.4852	mg/L	0.020	0.5	0	97.0	85	115			
Lead	0.4888	mg/L	0.0050	0.5	0	97.8	85	115			
Magnesium	53.13	mg/L	1.0	50	0.0066	106	85	115			
Manganese	0.4775	mg/L	0.0020	0.5	0	95.5	85	115			
Potassium	51.90	mg/L	1.0	50	0	104	85	115			
Selenium	0.4861	mg/L	0.050	0.5	0	97.2	85	115			
Silver	0.09994	mg/L	0.0050	0.1	0	99.9	85	115			
Sodium	52.60	mg/L	1.0	50	0	105	85	115			
Zinc	0.4770	mg/L	0.010	0.5	0.0014	95.1	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: 1112745-01FMSD		*MSD*				Batch ID: **R49876**		Analysis Date:		12/30/2011 11:38:15 AM	
Cadmium	0.4928	mg/L	0.0020	0.5	0	98.6	70	130	0	20	
Chromium	0.4877	mg/L	0.0060	0.5	0	97.5	70	130	0	20	
Copper	0.5027	mg/L	0.0060	0.5	0	101	70	130	0	20	
Lead	0.4845	mg/L	0.0050	0.5	0	96.9	70	130	0	20	
Silver	0.08889	mg/L	0.0050	0.1	0	88.9	70	130	0	20	
Zinc	0.4882	mg/L	0.010	0.5	0	97.6	70	130	0	20	
Sample ID: 1112745-01FMSD		*MSD*				Batch ID: **R49876**		Analysis Date:		12/30/2011 11:56:07 AM	
Barium	2.716	mg/L	0.010	2.5	0.3065	96.4	70	130	1.02	20	
Manganese	3.250	mg/L	0.010	2.5	0.9466	92.1	70	130	1.13	20	
Sample ID: 1112745-01FMSD		*MSD*				Batch ID: **R49883**		Analysis Date:		12/30/2011 4:39:48 PM	
Calcium	316.9	mg/L	5.0	250	72.45	97.8	70	130	0.0789	20	
Sample ID: MB		*MBLK*				Batch ID: **R49876**		Analysis Date:		12/30/2011 11:15:40 AM	
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R49883**		Analysis Date:		12/30/2011 4:18:53 PM	
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: **R49876**		Analysis Date:		12/30/2011 11:18:33 AM	
Barium	0.4901	mg/L	0.0020	0.5	0	98.0	85	115			
Cadmium	0.4959	mg/L	0.0020	0.5	0	99.2	85	115			
Calcium	52.46	mg/L	1.0	50	0	105	85	115			
Chromium	0.4931	mg/L	0.0060	0.5	0	98.6	85	115			

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
ect: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Dissolved Metals**											
Sample ID: **LCS**		*LCS*				Batch ID:	**R49876**	Analysis Date:	12/30/2011 11:18:33 AM		
Copper	0.4869	mg/L	0.0060	0.5	0	97.4	85	115			
Iron	0.5008	mg/L	0.020	0.5	0	100	85	115			
Lead	0.4939	mg/L	0.0050	0.5	0	98.8	85	115			
Magnesium	53.11	mg/L	1.0	50	0.0031	106	85	115			
Manganese	0.4755	mg/L	0.0020	0.5	0	95.1	85	115			
Potassium	51.17	mg/L	1.0	50	0	102	85	115			
Silver	0.09724	mg/L	0.0050	0.1	0	97.2	85	115			
Sodium	51.61	mg/L	1.0	50	0	103	85	115			
Zinc	0.4875	mg/L	0.010	0.5	0	97.5	85	115			
Sample ID: **LCS**		*LCS*				Batch ID:	**R49883**	Analysis Date:	12/30/2011 4:21:49 PM		
Barium	0.4773	mg/L	0.0020	0.5	0	95.5	85	115			
Cadmium	0.4798	mg/L	0.0020	0.5	0	96.0	85	115			
Calcium	45.14	mg/L	1.0	50	0	90.3	85	115			
Chromium	0.4813	mg/L	0.0060	0.5	0	96.3	85	115			
Copper	0.4771	mg/L	0.0060	0.5	0.0014	95.2	85	115			
Iron	0.4636	mg/L	0.020	0.5	0	92.7	85	115			
Lead	0.4776	mg/L	0.0050	0.5	0	95.5	85	115			
Magnesium	44.94	mg/L	1.0	50	0	89.9	85	115			
Manganese	0.4646	mg/L	0.0020	0.5	0	92.9	85	115			
~sium	43.48	mg/L	1.0	50	0.0934	86.8	85	115			
n	43.95	mg/L	1.0	50	0	87.9	85	115			
	0.4778	mg/L	0.010	0.5	0	95.6	85	115			
Sample ID: **1112745-01FMS**		*MS*				Batch ID:	**R49876**	Analysis Date:	12/30/2011 11:35:34 AM		
Cadmium	0.4966	mg/L	0.0020	0.5	0	99.3	70	130			
Chromium	0.4965	mg/L	0.0060	0.5	0	99.3	70	130			
Copper	0.5111	mg/L	0.0060	0.5	0	102	70	130			
Lead	0.4883	mg/L	0.0050	0.5	0	97.7	70	130			
Silver	0.09187	mg/L	0.0050	0.1	0	91.9	70	130			
Zinc	0.4978	mg/L	0.010	0.5	0	99.6	70	130			
Sample ID: **1112745-01FMS**		*MS*				Batch ID:	**R49876**	Analysis Date:	12/30/2011 11:43:57 AM		
Barium	2.744	mg/L	0.010	2.5	0.3065	97.5	70	130			
Manganese	3.287	mg/L	0.010	2.5	0.9466	93.6	70	130			
Sample ID: **1112745-01FMS**		*MS*				Batch ID:	**R49883**	Analysis Date:	12/30/2011 4:36:36 PM		
Calcium	317.1	mg/L	5.0	250	72.45	97.9	70	130			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 4:30:30 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:00:14 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:15:08 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:47:35 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:13:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 4:34:36 PM		
Arsenic	0.02519	mg/L	0.0010	0.025	0	101	85	115			
Selenium	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:02:17 PM		
Arsenic	0.02392	mg/L	0.0010	0.025	0	95.7	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:17:10 PM		
Arsenic	0.02498	mg/L	0.0010	0.025	0	99.9	85	115			
Selenium	0.02613	mg/L	0.0010	0.025	0	105	85	115			
Uranium	0.02396	mg/L	0.0010	0.025	0	95.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:49:38 PM		
Arsenic	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Selenium	0.02578	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:15:48 PM		
Uranium	0.02490	mg/L	0.0010	0.025	0	99.6	85	115			
Sample ID: 1112745-11DMS		*MS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 4:20:37 PM		
Arsenic	0.03215	mg/L	0.0010	0.025	0.0062	104	70	130			
Selenium	0.03818	mg/L	0.0010	0.025	0.0109	109	70	130			
Uranium	0.02994	mg/L	0.0010	0.025	0.0002	119	70	130			

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
ect: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:00:14 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:47:35 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:13:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: MB-29832		*MBLK*				Batch ID:	**29832**	Analysis Date:	12/29/2011 4:05:22 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:02:17 PM		
Arsenic	0.02392	mg/L	0.0010	0.025	0	95.7	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:49:38 PM		
Arsenic	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Selenium	0.02578	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:15:48 PM		
Uranium	0.02490	mg/L	0.0010	0.025	0	99.6	85	115			
Method: EPA Method 245.1: Mercury											
le ID: MB-29828		*MBLK*				Batch ID:	**29828**	Analysis Date:	12/20/2011 1:04:24 PM		
ury	ND	mg/L	0.00020								
Sample ID: MB-29834		*MBLK*				Batch ID:	**29834**	Analysis Date:	12/20/2011 1:54:02 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29828		*LCS*				Batch ID:	**29828**	Analysis Date:	12/20/2011 1:06:10 PM		
Mercury	0.005149	mg/L	0.00020	0.005	3E-05	102	80	120			
Sample ID: LCS-29834		*LCS*				Batch ID:	**29834**	Analysis Date:	12/20/2011 1:55:49 PM		
Mercury	0.005699	mg/L	0.00020	0.005	3E-05	113	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1112745-08CMSD		*MSD*				Batch ID:	R49683	Analysis Date:		12/17/2011 2:25:19 AM	
Fluoride	1.101	mg/L	0.10	0.5	0.672	85.8	72.9	113	2.15	20	
Bromide	4.193	mg/L	0.10	2.5	1.955	89.5	76	114	0.451	20	
Sample ID: MB		*MBLK*				Batch ID:	R49683	Analysis Date:		12/16/2011 11:06:41 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	R49683	Analysis Date:		12/16/2011 10:17:01 PM	
Fluoride	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Sample ID: MB		*MBLK*				Batch ID:	R49845	Analysis Date:		12/28/2011 12:27:36 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	R49866	Analysis Date:		12/29/2011 2:57:36 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	R49683	Analysis Date:		12/16/2011 11:19:06 AM	
Fluoride	0.4961	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.757	mg/L	0.50	5	0	95.1	90	110			
Bromide	2.461	mg/L	0.10	2.5	0	98.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.420	mg/L	0.20	3.5	0	97.7	90	110			
Sulfate	9.577	mg/L	0.50	10	0	95.8	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R49683	Analysis Date:		12/16/2011 10:29:26 PM	
Fluoride	0.4653	mg/L	0.10	0.5	0	93.1	90	110			
Bromide	2.321	mg/L	0.10	2.5	0	92.9	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R49845	Analysis Date:		12/28/2011 12:40:01 PM	
Fluoride	0.4958	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.815	mg/L	0.50	5	0	96.3	90	110			
Bromide	2.465	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.827	mg/L	0.50	5	0	96.5	90	110			
Sulfate	9.678	mg/L	0.50	10	0	96.8	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R49866	Analysis Date:		12/29/2011 3:15:00 PM	

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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R49866**	Analysis Date:		12/29/2011 3:15:00 PM	
Fluoride	0.5336	mg/L	0.10	0.5	0	107	90	110			
Chloride	4.794	mg/L	0.50	5	0	95.9	90	110			
Bromide	2.487	mg/L	0.10	2.5	0	99.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.459	mg/L	0.20	3.5	0	98.8	90	110			
Phosphorus, Orthophosphate (As P)	4.666	mg/L	0.50	5	0	93.3	90	110			
Sulfate	9.649	mg/L	0.50	10	0	96.5	90	110			
Sample ID: 1112745-08CMS		*MS*				Batch ID:	**R49683**	Analysis Date:		12/17/2011 2:12:55 AM	
Fluoride	1.077	mg/L	0.10	0.5	0.672	81.1	72.9	113			
Bromide	4.174	mg/L	0.10	2.5	1.955	88.8	76	114			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-29806		*MBLK*				Batch ID:	**29806**	Analysis Date:		12/19/2011 5:07:39 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: MB-29841		*MBLK*				Batch ID:	**29841**	Analysis Date:		12/21/2011 5:41:20 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-29806		*LCS*				Batch ID:	**29806**	Analysis Date:		12/19/2011 5:41:46 PM	
Diesel Range Organics (DRO)	5.059	mg/L	1.0	5	0	101	74	157			
Sample ID: LCS-29841		*LCS*				Batch ID:	**29841**	Analysis Date:		12/21/2011 6:15:46 PM	
Diesel Range Organics (DRO)	4.318	mg/L	1.0	5	0	86.4	74	157			
Sample ID: LCSD-29806		*LCSD*				Batch ID:	**29806**	Analysis Date:		12/19/2011 6:16:11 PM	
Diesel Range Organics (DRO)	4.960	mg/L	1.0	5	0	99.2	74	157	1.99	23	
Sample ID: LCSD-29841		*LCSD*				Batch ID:	**29841**	Analysis Date:		12/21/2011 6:49:54 PM	
Diesel Range Organics (DRO)	4.539	mg/L	1.0	5	0	90.8	74	157	4.99	23	

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1112745-02A MSD		*MSD*				Batch ID:	**R49817**	Analysis Date:		12/24/2011 4:53:47 PM	
Gasoline Range Organics (GRO)	0.5492	mg/L	0.050	0.5	0	110	66.1	127	3.14	15.5	
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R49801**	Analysis Date:		12/23/2011 12:36:10 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R49817**	Analysis Date:		12/24/2011 3:23:13 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R49819**	Analysis Date:		12/24/2011 3:14:28 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG LCS		*LCS*				Batch ID:	**R49801**	Analysis Date:		12/23/2011 11:35:47 AM	
Gasoline Range Organics (GRO)	0.5752	mg/L	0.050	0.5	0	115	92.1	117			
Sample ID: 2.5UG LCS		*LCS*				Batch ID:	**R49817**	Analysis Date:		12/24/2011 2:22:38 PM	
Gasoline Range Organics (GRO)	0.5442	mg/L	0.050	0.5	0	109	92.1	117			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R49819**	Analysis Date:		12/24/2011 2:16:39 PM	
Gasoline Range Organics (GRO)	0.5708	mg/L	0.050	0.5	0	114	92.1	117			
Sample ID: 1112745-02A MS		*MS*				Batch ID:	**R49817**	Analysis Date:		12/24/2011 4:23:37 PM	
Gasoline Range Organics (GRO)	0.5322	mg/L	0.050	0.5	0	106	66.1	127			

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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 1112745-01A MSD		*MSD*				Batch ID: **R49819**		Analysis Date:		12/24/2011 7:05:32 PM	
Methyl tert-butyl ether (MTBE)	78.18	µg/L	2.5	20	57.44	104	74.6	120	0.238	15.2	
Benzene	46.09	µg/L	1.0	20	23.8	111	76.6	119	0.475	16.4	
Toluene	19.98	µg/L	1.0	20	0	99.9	77.3	118	2.29	13.9	
Ethylbenzene	25.09	µg/L	1.0	20	4.543	103	76.6	114	2.89	13.5	
Xylenes, Total	59.78	µg/L	2.0	60	0	99.6	82	113	3.16	12.9	
Sample ID: 5ML-RB		*MBLK*				Batch ID: **R49801**		Analysis Date:		12/23/2011 12:36:10 PM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 5ML-RB		*MBLK*				Batch ID: **R49817**		Analysis Date:		12/24/2011 3:23:13 PM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML-RB		*MBLK*				Batch ID: **R49819**		Analysis Date:		12/24/2011 3:14:28 PM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID: **R49801**		Analysis Date:		12/23/2011 12:06:03 PM	
Methyl tert-butyl ether (MTBE)	27.18	µg/L	2.5	20	0	136	44.7	148			
Benzene	21.12	µg/L	1.0	20	0	106	80	120			
Toluene	20.96	µg/L	1.0	20	0.148	104	80	120			
Ethylbenzene	20.38	µg/L	1.0	20	0.164	101	80	120			
Xylenes, Total	62.51	µg/L	2.0	60	0	104	78.6	121			
1,2,4-Trimethylbenzene	19.94	µg/L	1.0	20	0.362	97.9	75.1	120			
1,3,5-Trimethylbenzene	20.17	µg/L	1.0	20	0.268	99.5	76.4	122			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID: **R49817**		Analysis Date:		12/24/2011 2:52:54 PM	
Methyl tert-butyl ether (MTBE)	26.67	µg/L	2.5	20	0	133	44.7	148			
Benzene	20.96	µg/L	1.0	20	0	105	80	120			
Toluene	20.57	µg/L	1.0	20	0.126	102	80	120			
Ethylbenzene	19.91	µg/L	1.0	20	0.164	98.7	80	120			
Xylenes, Total	61.78	µg/L	2.0	60	0	103	78.6	121			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID: **R49819**		Analysis Date:		12/24/2011 2:45:33 PM	
Methyl tert-butyl ether (MTBE)	19.33	µg/L	2.5	20	0.264	95.3	44.7	148			
Benzene	19.90	µg/L	1.0	20	0	99.5	80	120			
Toluene	19.67	µg/L	1.0	20	0.123	97.7	80	120			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	R49819	Analysis Date:	12/24/2011 2:45:33 PM		
Ethylbenzene	19.58	µg/L	1.0	20	0.1152	97.3	80	120			
Xylenes, Total	58.51	µg/L	2.0	60	0	97.5	78.6	121			
Sample ID: 1112745-01A MS		*MS*				Batch ID:	R49819	Analysis Date:	12/24/2011 6:36:40 PM		
Methyl tert-butyl ether (MTBE)	78.37	µg/L	2.5	20	57.44	105	74.6	120			
Benzene	45.87	µg/L	1.0	20	23.8	110	76.6	119			
Toluene	20.44	µg/L	1.0	20	0	102	77.3	118			
Ethylbenzene	25.83	µg/L	1.0	20	4.543	106	76.6	114			
Xylenes, Total	61.69	µg/L	2.0	60	0	103	82	113			

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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R49762**		Analysis Date: 12/21/2011 9:36:12 AM					
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
roethane	ND	µg/L	2.0								
oform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49762**		Analysis Date:	12/21/2011 9:36:12 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49791**		Analysis Date:	12/22/2011 9:18:57 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					Batch ID: **R49791**		Analysis Date: **12/22/2011 9:18:57 AM**		
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
opylbenzene	ND	µg/L	1.0								
propyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100NG LCS		*LCS*					Batch ID: **R49762**		Analysis Date: **12/21/2011 10:32:05 AM**		

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100NG LCS		*LCS*				Batch ID:	**R49762**	Analysis Date:	12/21/2011 10:32:05 AM		
Benzene	21.43	µg/L	1.0	20	0	107	81.1	130			
Toluene	21.05	µg/L	1.0	20	0	105	82.3	122			
Chlorobenzene	20.31	µg/L	1.0	20	0	102	70	130			
1,1-Dichloroethene	21.62	µg/L	1.0	20	0	108	83.1	126			
Trichloroethene (TCE)	20.06	µg/L	1.0	20	0	100	67.4	137			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R49791**	Analysis Date:	12/22/2011 10:14:57 AM		
Benzene	23.80	µg/L	1.0	20	0	119	81.1	130			
Toluene	21.35	µg/L	1.0	20	0	107	82.3	122			
Chlorobenzene	22.23	µg/L	1.0	20	0	111	70	130			
1,1-Dichloroethene	19.80	µg/L	1.0	20	0	99.0	83.1	126			
Trichloroethene (TCE)	18.78	µg/L	1.0	20	0	93.9	67.4	137			

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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Method: EPA Method 8270C: Semivolatiles
Sample ID: mb-29823 *MBLK* Batch ID: 29823 Analysis Date: 12/20/2011 10:56:50 AM

Acenaphthene	ND	µg/L	10
Acenaphthylene	ND	µg/L	10
Aniline	ND	µg/L	10
Anthracene	ND	µg/L	10
Azobenzene	ND	µg/L	10
Benz(a)anthracene	ND	µg/L	10
Benzo(a)pyrene	ND	µg/L	10
Benzo(b)fluoranthene	ND	µg/L	10
Benzo(g,h,i)perylene	ND	µg/L	10
Benzo(k)fluoranthene	ND	µg/L	10
Benzoic acid	ND	µg/L	20
Benzyl alcohol	ND	µg/L	10
Bis(2-chloroethoxy)methane	ND	µg/L	10
Bis(2-chloroethyl)ether	ND	µg/L	10
Bis(2-chloroisopropyl)ether	ND	µg/L	10
Bis(2-ethylhexyl)phthalate	ND	µg/L	10
4-Bromophenyl phenyl ether	ND	µg/L	10
Butyl benzyl phthalate	ND	µg/L	10
Carbazole	ND	µg/L	10
4-Chloro-3-methylphenol	ND	µg/L	10
oroaniline	ND	µg/L	10
oronaphthalene	ND	µg/L	10
2-Chlorophenol	ND	µg/L	10
4-Chlorophenyl phenyl ether	ND	µg/L	10
Chrysene	ND	µg/L	10
Di-n-butyl phthalate	ND	µg/L	10
Di-n-octyl phthalate	ND	µg/L	10
Dibenz(a,h)anthracene	ND	µg/L	10
Dibenzofuran	ND	µg/L	10
1,2-Dichlorobenzene	ND	µg/L	10
1,3-Dichlorobenzene	ND	µg/L	10
1,4-Dichlorobenzene	ND	µg/L	10
3,3'-Dichlorobenzidine	ND	µg/L	10
Diethyl phthalate	ND	µg/L	10
Dimethyl phthalate	ND	µg/L	10
2,4-Dichlorophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	10
4,6-Dinitro-2-methylphenol	ND	µg/L	20
2,4-Dinitrophenol	ND	µg/L	20
2,4-Dinitrotoluene	ND	µg/L	10
2,6-Dinitrotoluene	ND	µg/L	10
Fluoranthene	ND	µg/L	10
Fluorene	ND	µg/L	10
Hexachlorobenzene	ND	µg/L	10

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29823		*MBLK*				Batch ID:	**29823**	Analysis Date:	12/20/2011 10:56:50 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29823		*LCS*				Batch ID:	**29823**	Analysis Date:	12/20/2011 11:26:06 AM		
Acenaphthene	73.40	µg/L	10	100	0	73.4	37.7	119			
4-Chloro-3-methylphenol	154.3	µg/L	10	200	0	77.2	48.8	104			
2-Chlorophenol	146.9	µg/L	10	200	0	73.5	38.2	109			
1,4-Dichlorobenzene	68.06	µg/L	10	100	0	68.1	33.7	99.1			
2,4-Dinitrotoluene	84.86	µg/L	10	100	0	84.9	39.9	125			
N-Nitrosodi-n-propylamine	69.28	µg/L	10	100	0	69.3	43.8	95.1			
4-Nitrophenol	59.22	µg/L	10	200	0	29.6	21.7	68.6			
Pentachlorophenol	106.0	µg/L	20	200	0	53.0	26.7	107			
Phenol	86.14	µg/L	10	200	0	43.1	23.9	65.8			
Pyrene	81.84	µg/L	10	100	0	81.8	45.7	107			
1,2,4-Trichlorobenzene	64.54	µg/L	10	100	0	64.5	30.8	104			
Sample ID: lcsd-29823		*LCSD*				Batch ID:	**29823**	Analysis Date:	12/20/2011 11:55:17 AM		
Acenaphthene	63.34	µg/L	10	100	0	63.3	37.7	119	14.7	20	
4-Chloro-3-methylphenol	119.8	µg/L	10	200	0	59.9	48.8	104	25.2	20	R
2-Chlorophenol	113.3	µg/L	10	200	0	56.7	38.2	109	25.8	20	R
1,4-Dichlorobenzene	55.32	µg/L	10	100	0	55.3	33.7	99.1	20.7	20	R

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: 4th QTR 2011 Sampling **Work Order:** 1112745

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-29823		*LCSD*				Batch ID:	**29823**	Analysis Date:		12/20/2011 11:55:17 AM	
2,4-Dinitrotoluene	74.12	µg/L	10	100	0	74.1	39.9	125	13.5	20	
N-Nitrosodi-n-propylamine	52.80	µg/L	10	100	0	52.8	43.8	95.1	27.0	20	R
4-Nitrophenol	62.34	µg/L	10	200	0	31.2	21.7	68.6	5.13	20	
Pentachlorophenol	107.1	µg/L	20	200	0	53.6	26.7	107	1.11	20	
Phenol	65.28	µg/L	10	200	0	32.6	23.9	65.8	27.6	20	R
Pyrene	71.66	µg/L	10	100	0	71.7	45.7	107	13.3	20	
1,2,4-Trichlorobenzene	54.36	µg/L	10	100	0	54.4	30.8	104	17.1	20	

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: **12/16/2011**

Work Order Number **1112745** Received by: **AT**

Checklist completed by: _____ 12/16/11 Sample ID labels checked by: MG
Signature Date Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		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 ☐	28
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: Added 1mL HNO_3 to -05D, -09C, -11C. Added 2mL HNO_3 to -03D, -04E, -01ED and -10C for acceptable pH. Mg 12/16/11

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN REFINING
GALLUP REFINERY
Mailing Address: RT 3 BOX 7
GALLUP N.M. 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: 4TH QUARTER 2011 SAMPLING
Project #: QUARTERLY SAMPLING
Project Manager: CHERYL JOHNSON
Sampler: TOM FLEENER
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.0

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.	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,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) + PHENOLS	W-QCC METALS TOTAL	WQCC METALS DISSOL	MAJOR CATIONS/ANION	VOC's	Air Bubbles (Y or N)
12/1/11	1040	GW	KA-3			-1	X		X								X	X	X	X		
	1120		NAPIS-3			-2	X		X								X	X	X	X		
	1130		NAPIS EFFLU.			-3	X										X	X	X	X		
	1245		AL-2 TO EP-1			-4	X		X								X	X	X	X		
	1320		GWM-2			-5	X		X											X		
	1345		GWM-1			-6	X		X									X	X	X		
	1420		GWM-3			-7	X		X											X		
	1450		NAPIS-1			-8	X		X									X	X	X		
	1500		EAST LDU			-9	X		X									X	X			
	1510		WEST LDU			-10	X		X									X	X			
	1525		OIL SUMP LDU			-11	X		X									X	X			
			TRIP BLANKS	12		-12															X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/1/11	1040	Tom Fleener		12/1/11	1040
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: add 8015, pH, ec per Brant to NAPIS Effluent

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, January 16, 2012

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: 4th QTR 2011 Sampling

Order No.: 1112650

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 11 sample(s) on 12/14/2011 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued January 10, 2012.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jan-12*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1112650	**Collection Date:**	12/13/2011 11:41:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Toluene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Ethylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Methyl tert-butyl ether (MTBE)	490	10		µg/L	10	12/15/2011 7:31:17 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Naphthalene	ND	2.0		µg/L	1	12/15/2011 7:59:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/15/2011 7:59:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/15/2011 7:59:00 PM
Acetone	ND	10		µg/L	1	12/15/2011 7:59:00 PM
Bromobenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Bromoform	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Bromomethane	ND	3.0		µg/L	1	12/15/2011 7:59:00 PM
2-Butanone	ND	10		µg/L	1	12/15/2011 7:59:00 PM
Carbon disulfide	ND	10		µg/L	1	12/15/2011 7:59:00 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Chlorobenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Chloroethane	ND	2.0		µg/L	1	12/15/2011 7:59:00 PM
Chloroform	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Chloromethane	ND	3.0		µg/L	1	12/15/2011 7:59:00 PM
2-Chlorotoluene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
4-Chlorotoluene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
cis-1,2-DCE	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/15/2011 7:59:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Dibromomethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/15/2011 7:59:00 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/15/2011 7:59:00 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1112650	**Collection Date:**	12/13/2011 11:41:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
2-Hexanone	ND	10		µg/L	1	12/15/2011 7:59:00 PM
Isopropylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/15/2011 7:59:00 PM
Methylene Chloride	ND	3.0		µg/L	1	12/15/2011 7:59:00 PM
n-Butylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
n-Propylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
sec-Butylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Styrene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
tert-Butylbenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/15/2011 7:59:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
trans-1,2-DCE	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/15/2011 7:59:00 PM
Vinyl chloride	ND	1.0		µg/L	1	12/15/2011 7:59:00 PM
Xylenes, Total	ND	1.5		µg/L	1	12/15/2011 7:59:00 PM
Surr: 1,2-Dichloroethane-d4	84.7	70-130		%REC	1	12/15/2011 7:59:00 PM
Surr: 4-Bromofluorobenzene	89.5	73-131		%REC	1	12/15/2011 7:59:00 PM
Surr: Dibromofluoromethane	92.5	70-130		%REC	1	12/15/2011 7:59:00 PM
Surr: Toluene-d8	94.5	70-130		%REC	1	12/15/2011 7:59:00 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1112650	**Collection Date:**	12/13/2011 1:50:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Toluene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Ethylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Methyl tert-butyl ether (MTBE)	6.5	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Naphthalene	ND	2.0		µg/L	1	12/15/2011 8:54:24 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/15/2011 8:54:24 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/15/2011 8:54:24 PM
Acetone	ND	10		µg/L	1	12/15/2011 8:54:24 PM
Bromobenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Bromodichloromethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Bromoform	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Bromomethane	ND	3.0		µg/L	1	12/15/2011 8:54:24 PM
2-Butanone	ND	10		µg/L	1	12/15/2011 8:54:24 PM
Carbon disulfide	ND	10		µg/L	1	12/15/2011 8:54:24 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Chlorobenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Chloroethane	ND	2.0		µg/L	1	12/15/2011 8:54:24 PM
Chloroform	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Chloromethane	ND	3.0		µg/L	1	12/15/2011 8:54:24 PM
2-Chlorotoluene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
4-Chlorotoluene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
cis-1,2-DCE	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/15/2011 8:54:24 PM
Dibromochloromethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Dibromomethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/15/2011 8:54:24 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/15/2011 8:54:24 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1112650	**Collection Date:**	12/13/2011 1:50:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
2-Hexanone	ND	10		µg/L	1	12/15/2011 8:54:24 PM
Isopropylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/15/2011 8:54:24 PM
Methylene Chloride	ND	3.0		µg/L	1	12/15/2011 8:54:24 PM
n-Butylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
n-Propylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
sec-Butylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Styrene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
tert-Butylbenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/15/2011 8:54:24 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
trans-1,2-DCE	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/15/2011 8:54:24 PM
Vinyl chloride	ND	1.0		µg/L	1	12/15/2011 8:54:24 PM
Xylenes, Total	ND	1.5		µg/L	1	12/15/2011 8:54:24 PM
Surr: 1,2-Dichloroethane-d4	84.1	70-130		%REC	1	12/15/2011 8:54:24 PM
Surr: 4-Bromofluorobenzene	89.3	73-131		%REC	1	12/15/2011 8:54:24 PM
Surr: Dibromofluoromethane	91.8	70-130		%REC	1	12/15/2011 8:54:24 PM
Surr: Toluene-d8	84.7	70-130		%REC	1	12/15/2011 8:54:24 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1112650	**Collection Date:**	12/13/2011 2:30:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	1500	50		µg/L	50	12/15/2011 11:12:44 PM
Toluene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Ethylbenzene	36	5.0		µg/L	5	12/15/2011 11:40:27 PM
Methyl tert-butyl ether (MTBE)	1300	50		µg/L	50	12/15/2011 11:12:44 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Naphthalene	ND	10		µg/L	5	12/15/2011 11:40:27 PM
1-Methylnaphthalene	21	20		µg/L	5	12/15/2011 11:40:27 PM
2-Methylnaphthalene	ND	20		µg/L	5	12/15/2011 11:40:27 PM
Acetone	ND	50		µg/L	5	12/15/2011 11:40:27 PM
Bromobenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Bromodichloromethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Bromoform	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Bromomethane	ND	15		µg/L	5	12/15/2011 11:40:27 PM
2-Butanone	ND	50		µg/L	5	12/15/2011 11:40:27 PM
Carbon disulfide	ND	50		µg/L	5	12/15/2011 11:40:27 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Chlorobenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Chloroethane	ND	10		µg/L	5	12/15/2011 11:40:27 PM
Chloroform	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Chloromethane	ND	15		µg/L	5	12/15/2011 11:40:27 PM
2-Chlorotoluene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
4-Chlorotoluene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
cis-1,2-DCE	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/15/2011 11:40:27 PM
Dibromochloromethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Dibromomethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
2,2-Dichloropropane	ND	10		µg/L	5	12/15/2011 11:40:27 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/15/2011 11:40:27 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1112650	**Collection Date:**	12/13/2011 2:30:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
2-Hexanone	ND	50		µg/L	5	12/15/2011 11:40:27 PM
Isopropylbenzene	7.1	5.0		µg/L	5	12/15/2011 11:40:27 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/15/2011 11:40:27 PM
Methylene Chloride	ND	15		µg/L	5	12/15/2011 11:40:27 PM
n-Butylbenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
n-Propylbenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
sec-Butylbenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Styrene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
tert-Butylbenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/15/2011 11:40:27 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
trans-1,2-DCE	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/15/2011 11:40:27 PM
Vinyl chloride	ND	5.0		µg/L	5	12/15/2011 11:40:27 PM
Xylenes, Total	ND	7.5		µg/L	5	12/15/2011 11:40:27 PM
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%REC	5	12/15/2011 11:40:27 PM
Surr: 4-Bromofluorobenzene	86.4	73-131		%REC	5	12/15/2011 11:40:27 PM
Surr: Dibromofluoromethane	94.9	70-130		%REC	5	12/15/2011 11:40:27 PM
Surr: Toluene-d8	92.8	70-130		%REC	5	12/15/2011 11:40:27 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1112650	**Collection Date:**	12/13/2011 5:00:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/18/2011 3:28:57 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/18/2011 3:28:57 PM
Surr: DNOP	142	81.1-147		%REC	1	12/18/2011 3:28:57 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/24/2011 2:41:38 AM
Surr: BFB	88.5	69.3-120		%REC	1	12/24/2011 2:41:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	ND	0.50		mg/L	5	12/27/2011 10:38:14 PM
Chloride	27	10		mg/L	20	12/15/2011 12:27:25 PM
Bromide	0.17	0.10		mg/L	1	12/15/2011 11:50:11 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	12/28/2011 6:27:35 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	12/15/2011 11:50:11 AM
Sulfate	130	10		mg/L	20	12/15/2011 12:27:25 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.025	0.0020		mg/L	1	12/23/2011 3:27:54 PM
Cadmium	ND	0.0020		mg/L	1	12/23/2011 3:27:54 PM
Calcium	4.1	1.0		mg/L	1	12/23/2011 3:27:54 PM
Chromium	ND	0.0060		mg/L	1	12/23/2011 3:27:54 PM
Copper	ND	0.0060		mg/L	1	12/23/2011 3:27:54 PM
Iron	0.080	0.020		mg/L	1	12/23/2011 3:27:54 PM
Lead	ND	0.0050		mg/L	1	12/23/2011 3:27:54 PM
Magnesium	ND	1.0		mg/L	1	12/23/2011 3:27:54 PM
Manganese	0.025	0.0020		mg/L	1	12/23/2011 3:27:54 PM
Potassium	1.1	1.0		mg/L	1	12/23/2011 3:27:54 PM
Silver	ND	0.0050		mg/L	1	12/23/2011 3:27:54 PM
Sodium	210	5.0		mg/L	5	12/23/2011 3:31:15 PM
Zinc	ND	0.010		mg/L	1	12/23/2011 3:27:54 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.034	0.0020		mg/L	1	12/20/2011 2:51:46 PM
Cadmium	ND	0.0020		mg/L	1	12/20/2011 2:51:46 PM
Chromium	0.0069	0.0060		mg/L	1	12/20/2011 2:51:46 PM
Copper	ND	0.0060		mg/L	1	12/20/2011 2:51:46 PM
Iron	0.43	0.020	*	mg/L	1	12/20/2011 2:51:46 PM
Lead	ND	0.0050		mg/L	1	12/20/2011 2:51:46 PM
Manganese	0.039	0.0020		mg/L	1	12/20/2011 2:51:46 PM
Silver	ND	0.0050		mg/L	1	12/20/2011 2:51:46 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1112650	**Collection Date:**	12/13/2011 5:00:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Zinc	ND	0.010		mg/L	1	12/20/2011 2:51:46 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	12/22/2011 1:16:24 PM
Selenium	ND	0.0010		mg/L	1	12/22/2011 1:16:24 PM
Uranium	0.010	0.0010		mg/L	1	12/22/2011 1:16:24 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	12/21/2011 12:58:53 PM
Selenium	ND	0.0025		mg/L	2.5	12/21/2011 12:58:53 PM
Uranium	0.010	0.0025		mg/L	2.5	12/21/2011 12:58:53 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/16/2011 1:01:33 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Acenaphthylene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Aniline	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Anthracene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Azobenzene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Benz(a)anthracene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Benzo(a)pyrene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Benzoic acid	ND	20		µg/L	1	12/20/2011 3:18:58 PM
Benzyl alcohol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	12/20/2011 3:18:58 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Butyl benzyl phthalate	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Carbazole	ND	10		µg/L	1	12/20/2011 3:18:58 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
4-Chloroaniline	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2-Chloronaphthalene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2-Chlorophenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 3:18:58 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1112650	**Collection Date:**	12/13/2011 5:00:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Chrysene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Di-n-butyl phthalate	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Di-n-octyl phthalate	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Dibenzofuran	ND	10		µg/L	1	12/20/2011 3:18:58 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Diethyl phthalate	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Dimethyl phthalate	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2,4-Dichlorophenol	ND	20		µg/L	1	12/20/2011 3:18:58 PM
2,4-Dimethylphenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	12/20/2011 3:18:58 PM
2,4-Dinitrophenol	ND	20		µg/L	1	12/20/2011 3:18:58 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Fluoranthene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Fluorene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Hexachlorobenzene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Hexachlorobutadiene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Hexachloroethane	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Isophorone	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
1-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2-Methylphenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
3+4-Methylphenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	12/20/2011 3:18:58 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	12/20/2011 3:18:58 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Naphthalene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2-Nitroaniline	ND	10		µg/L	1	12/20/2011 3:18:58 PM
3-Nitroaniline	ND	10		µg/L	1	12/20/2011 3:18:58 PM
4-Nitroaniline	ND	20		µg/L	1	12/20/2011 3:18:58 PM
Nitrobenzene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2-Nitrophenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
4-Nitrophenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Pentachlorophenol	ND	20		µg/L	1	12/20/2011 3:18:58 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1112650	**Collection Date:**	12/13/2011 5:00:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenanthrene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Phenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Pyrene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Pyridine	ND	10		µg/L	1	12/20/2011 3:18:58 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	12/20/2011 3:18:58 PM
Surr: 2,4,6-Tribromophenol	89.8	18.1-138		%REC	1	12/20/2011 3:18:58 PM
Surr: 2-Fluorobiphenyl	81.0	25.9-101		%REC	1	12/20/2011 3:18:58 PM
Surr: 2-Fluorophenol	65.9	12.5-93.2		%REC	1	12/20/2011 3:18:58 PM
Surr: 4-Terphenyl-d14	86.0	29.5-112		%REC	1	12/20/2011 3:18:58 PM
Surr: Nitrobenzene-d5	94.8	20.5-120		%REC	1	12/20/2011 3:18:58 PM
Surr: Phenol-d5	50.2	11.3-73.2		%REC	1	12/20/2011 3:18:58 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Toluene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Ethylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Naphthalene	ND	2.0		µg/L	1	12/16/2011 12:35:47 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/16/2011 12:35:47 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/16/2011 12:35:47 AM
Acetone	ND	10		µg/L	1	12/16/2011 12:35:47 AM
Bromobenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Bromoform	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Bromomethane	ND	3.0		µg/L	1	12/16/2011 12:35:47 AM
2-Butanone	ND	10		µg/L	1	12/16/2011 12:35:47 AM
Carbon disulfide	ND	10		µg/L	1	12/16/2011 12:35:47 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Chlorobenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Chloroethane	ND	2.0		µg/L	1	12/16/2011 12:35:47 AM
Chloroform	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Chloromethane	ND	3.0		µg/L	1	12/16/2011 12:35:47 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1112650	**Collection Date:**	12/13/2011 5:00:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
cis-1,2-DCE	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/16/2011 12:35:47 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Dibromomethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/16/2011 12:35:47 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
2-Hexanone	ND	10		µg/L	1	12/16/2011 12:35:47 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/16/2011 12:35:47 AM
Methylene Chloride	ND	3.0		µg/L	1	12/16/2011 12:35:47 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Styrene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/16/2011 12:35:47 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/16/2011 12:35:47 AM
Vinyl chloride	ND	1.0		µg/L	1	12/16/2011 12:35:47 AM
Xylenes, Total	ND	1.5		µg/L	1	12/16/2011 12:35:47 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *14-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-52

Lab Order: 1112650
Collection Date: 12/13/2011 5:00:00 PM

Project: 4th QTR 2011 Sampling
Date Received: 12/14/2011

Lab ID: 1112650-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Surr: 1,2-Dichloroethane-d4	88.3	70-130		%REC	1	12/16/2011 12:35:47 AM
Surr: 4-Bromofluorobenzene	97.5	73-131		%REC	1	12/16/2011 12:35:47 AM
Surr: Dibromofluoromethane	91.0	70-130		%REC	1	12/16/2011 12:35:47 AM
Surr: Toluene-d8	93.3	70-130		%REC	1	12/16/2011 12:35:47 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	1000	0.010		µmhos/cm	1	12/16/2011 2:31:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	8.47	0.100	H	pH units	1	12/16/2011 2:31:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:55:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.8	1.0		mg/L	1	12/19/2011 11:50:01 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 11:50:01 AM
Surr: DNOP	144	81.1-147		%REC	1	12/19/2011 11:50:01 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.25		mg/L	5	12/24/2011 3:11:51 AM
Surr: BFB	88.8	69.3-120		%REC	5	12/24/2011 3:11:51 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.011	0.0020		mg/L	1	12/23/2011 3:35:54 PM
Cadmium	ND	0.0020		mg/L	1	12/23/2011 3:35:54 PM
Calcium	210	5.0		mg/L	5	12/30/2011 11:24:36 AM
Chromium	ND	0.0060		mg/L	1	12/23/2011 3:35:54 PM
Copper	ND	0.0060		mg/L	1	12/23/2011 3:35:54 PM
Iron	ND	0.020		mg/L	1	12/23/2011 3:35:54 PM
Lead	ND	0.0050		mg/L	1	12/23/2011 3:35:54 PM
Magnesium	46	1.0		mg/L	1	12/23/2011 3:35:54 PM
Manganese	0.049	0.0020		mg/L	1	12/23/2011 3:35:54 PM
Potassium	31	1.0		mg/L	1	12/23/2011 3:35:54 PM
Silver	ND	0.0050		mg/L	1	12/23/2011 3:35:54 PM
Sodium	220	5.0		mg/L	5	12/30/2011 11:24:36 AM
Zinc	0.013	0.010		mg/L	1	12/23/2011 3:35:54 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.026	0.0020		mg/L	1	12/20/2011 2:55:06 PM
Cadmium	ND	0.0020		mg/L	1	12/20/2011 2:55:06 PM
Chromium	0.023	0.0060		mg/L	1	12/20/2011 2:55:06 PM
Copper	0.043	0.0060		mg/L	1	12/20/2011 2:55:06 PM
Iron	0.87	0.020	*	mg/L	1	12/20/2011 2:55:06 PM
Lead	ND	0.0050		mg/L	1	12/20/2011 2:55:06 PM
Manganese	0.061	0.0020	*	mg/L	1	12/20/2011 2:55:06 PM
Silver	ND	0.0050		mg/L	1	12/20/2011 2:55:06 PM
Zinc	0.18	0.010		mg/L	1	12/20/2011 2:55:06 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0013	0.0010		mg/L	1	12/28/2011 1:53:41 PM
Selenium	0.0012	0.0010		mg/L	1	12/28/2011 1:53:41 PM
Uranium	0.0014	0.0010		mg/L	1	12/28/2011 3:17:50 PM
EPA 200.8: METALS						Analyst: **SNV**

Qualifiers:

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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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:55:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0030	0.0025		mg/L	2.5	12/21/2011 1:02:55 PM
Selenium	ND	0.0025		mg/L	2.5	12/21/2011 1:02:55 PM
Uranium	ND	0.0025		mg/L	2.5	12/21/2011 1:02:55 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/16/2011 1:03:19 PM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	260	2.0		mg/L	1	12/20/2011 6:57:00 AM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Toluene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Ethylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Naphthalene	ND	10		µg/L	5	12/16/2011 1:31:03 AM
1-Methylnaphthalene	ND	20		µg/L	5	12/16/2011 1:31:03 AM
2-Methylnaphthalene	ND	20		µg/L	5	12/16/2011 1:31:03 AM
Acetone	62	50		µg/L	5	12/16/2011 1:31:03 AM
Bromobenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Bromodichloromethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Bromoform	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Bromomethane	ND	15		µg/L	5	12/16/2011 1:31:03 AM
2-Butanone	ND	50		µg/L	5	12/16/2011 1:31:03 AM
Carbon disulfide	ND	50		µg/L	5	12/16/2011 1:31:03 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Chlorobenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Chloroethane	ND	10		µg/L	5	12/16/2011 1:31:03 AM
Chloroform	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Chloromethane	ND	15		µg/L	5	12/16/2011 1:31:03 AM
2-Chlorotoluene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
4-Chlorotoluene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
cis-1,2-DCE	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/16/2011 1:31:03 AM
Dibromochloromethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 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
- 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:55:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromomethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
2,2-Dichloropropane	ND	10		µg/L	5	12/16/2011 1:31:03 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
2-Hexanone	ND	50		µg/L	5	12/16/2011 1:31:03 AM
Isopropylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
4-Isopropyltoluene	16	5.0		µg/L	5	12/16/2011 1:31:03 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/16/2011 1:31:03 AM
Methylene Chloride	ND	15		µg/L	5	12/16/2011 1:31:03 AM
n-Butylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
n-Propylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
sec-Butylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Styrene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
tert-Butylbenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/16/2011 1:31:03 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
trans-1,2-DCE	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/16/2011 1:31:03 AM
Vinyl chloride	ND	5.0		µg/L	5	12/16/2011 1:31:03 AM
Xylenes, Total	ND	7.5		µg/L	5	12/16/2011 1:31:03 AM
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%REC	5	12/16/2011 1:31:03 AM
Surr: 4-Bromofluorobenzene	96.1	73-131		%REC	5	12/16/2011 1:31:03 AM
Surr: Dibromofluoromethane	95.2	70-130		%REC	5	12/16/2011 1:31:03 AM
Surr: Toluene-d8	97.5	70-130		%REC	5	12/16/2011 1:31:03 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:55:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**

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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	48	3.0		mg/L	1	12/19/2011 9:31:30 AM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	12/19/2011 9:31:30 AM
Surr: DNOP	124	81.1-147		%REC	1	12/19/2011 9:31:30 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	6.6	0.25		mg/L	5	12/24/2011 3:42:06 AM
Surr: BFB	93.9	69.3-120		%REC	5	12/24/2011 3:42:06 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Chloride	1000	50		mg/L	100	12/27/2011 9:23:45 PM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	1000	2.0		mg/L	1	12/20/2011 6:57:00 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Acenaphthylene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Aniline	980	50		µg/L	1	12/20/2011 1:22:40 PM
Anthracene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Azobenzene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Benz(a)anthracene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Benzo(a)pyrene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Benzoic acid	ND	100		µg/L	1	12/20/2011 1:22:40 PM
Benzyl alcohol	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	12/20/2011 1:22:40 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Butyl benzyl phthalate	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Carbazole	ND	50		µg/L	1	12/20/2011 1:22:40 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	12/20/2011 1:22:40 PM
4-Chloroaniline	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2-Chloronaphthalene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2-Chlorophenol	ND	50		µg/L	1	12/20/2011 1:22:40 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Chrysene	ND	50		µg/L	1	12/20/2011 1:22:40 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-I
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Di-n-butyl phthalate	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Di-n-octyl phthalate	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Dibenzofuran	ND	50		µg/L	1	12/20/2011 1:22:40 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Diethyl phthalate	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Dimethyl phthalate	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2,4-Dichlorophenol	ND	100		µg/L	1	12/20/2011 1:22:40 PM
2,4-Dimethylphenol	270	50		µg/L	1	12/20/2011 1:22:40 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	12/20/2011 1:22:40 PM
2,4-Dinitrophenol	ND	100		µg/L	1	12/20/2011 1:22:40 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Fluoranthene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Fluorene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Hexachlorobenzene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Hexachlorobutadiene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Hexachloroethane	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Isophorone	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2-Methylnaphthalene	110	50		µg/L	1	12/20/2011 1:22:40 PM
1-Methylnaphthalene	62	50		µg/L	1	12/20/2011 1:22:40 PM
2-Methylphenol	3000	500		µg/L	10	12/20/2011 5:44:22 PM
3+4-Methylphenol	5600	500		µg/L	10	12/20/2011 5:44:22 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	12/20/2011 1:22:40 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	12/20/2011 1:22:40 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Naphthalene	73	50		µg/L	1	12/20/2011 1:22:40 PM
2-Nitroaniline	ND	50		µg/L	1	12/20/2011 1:22:40 PM
3-Nitroaniline	ND	50		µg/L	1	12/20/2011 1:22:40 PM
4-Nitroaniline	ND	100		µg/L	1	12/20/2011 1:22:40 PM
Nitrobenzene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2-Nitrophenol	ND	50		µg/L	1	12/20/2011 1:22:40 PM
4-Nitrophenol	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Pentachlorophenol	ND	100		µg/L	1	12/20/2011 1:22:40 PM
Phenanthrene	ND	50		µg/L	1	12/20/2011 1:22:40 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
- 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenol	12000	500		µg/L	10	12/20/2011 5:44:22 PM
Pyrene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Pyridine	ND	50		µg/L	1	12/20/2011 1:22:40 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	12/20/2011 1:22:40 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	12/20/2011 1:22:40 PM
Surr: 2,4,6-Tribromophenol	67.1	18.1-138		%REC	1	12/20/2011 1:22:40 PM
Surr: 2-Fluorobiphenyl	52.8	25.9-101		%REC	1	12/20/2011 1:22:40 PM
Surr: 2-Fluorophenol	48.5	12.5-93.2		%REC	1	12/20/2011 1:22:40 PM
Surr: 4-Terphenyl-d14	65.2	29.5-112		%REC	1	12/20/2011 1:22:40 PM
Surr: Nitrobenzene-d5	63.9	20.5-120		%REC	1	12/20/2011 1:22:40 PM
Surr: Phenol-d5	40.4	11.3-73.2		%REC	1	12/20/2011 1:22:40 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	270	5.0		µg/L	5	12/16/2011 2:54:13 AM
Toluene	630	50		µg/L	50	12/16/2011 2:26:27 AM
Ethylbenzene	110	5.0		µg/L	5	12/16/2011 2:54:13 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2,4-Trimethylbenzene	350	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,3,5-Trimethylbenzene	120	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Naphthalene	120	10		µg/L	5	12/16/2011 2:54:13 AM
1-Methylnaphthalene	130	20		µg/L	5	12/16/2011 2:54:13 AM
2-Methylnaphthalene	220	20		µg/L	5	12/16/2011 2:54:13 AM
Acetone	7900	500		µg/L	50	12/16/2011 2:26:27 AM
Bromobenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Bromodichloromethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Bromoform	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Bromomethane	ND	15		µg/L	5	12/16/2011 2:54:13 AM
2-Butanone	ND	50		µg/L	5	12/16/2011 2:54:13 AM
Carbon disulfide	65	50		µg/L	5	12/16/2011 2:54:13 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Chlorobenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Chloroethane	ND	10		µg/L	5	12/16/2011 2:54:13 AM
Chloroform	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Chloromethane	ND	15		µg/L	5	12/16/2011 2:54:13 AM
2-Chlorotoluene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
4-Chlorotoluene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
cis-1,2-DCE	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/16/2011 2:54:13 AM
Dibromochloromethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Dibromomethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
2,2-Dichloropropane	ND	10		µg/L	5	12/16/2011 2:54:13 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
2-Hexanone	ND	50		µg/L	5	12/16/2011 2:54:13 AM
Isopropylbenzene	19	5.0		µg/L	5	12/16/2011 2:54:13 AM
4-Isopropyltoluene	11	5.0		µg/L	5	12/16/2011 2:54:13 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/16/2011 2:54:13 AM
Methylene Chloride	ND	15		µg/L	5	12/16/2011 2:54:13 AM
n-Butylbenzene	28	5.0		µg/L	5	12/16/2011 2:54:13 AM
n-Propylbenzene	52	5.0		µg/L	5	12/16/2011 2:54:13 AM
sec-Butylbenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Styrene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
tert-Butylbenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/16/2011 2:54:13 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
trans-1,2-DCE	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/16/2011 2:54:13 AM
Vinyl chloride	ND	5.0		µg/L	5	12/16/2011 2:54:13 AM
Xylenes, Total	800	7.5		µg/L	5	12/16/2011 2:54:13 AM
Surr: 1,2-Dichloroethane-d4	88.2	70-130		%REC	5	12/16/2011 2:54:13 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 7:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Surr: 4-Bromofluorobenzene	96.2	73-131		%REC	5	12/16/2011 2:54:13 AM
Surr: Dibromofluoromethane	107	70-130		%REC	5	12/16/2011 2:54:13 AM
Surr: Toluene-d8	105	70-130		%REC	5	12/16/2011 2:54:13 AM
SM4500-H+B: PH						Analyst: **IC**
pH	9.81	0.100	H	pH units	1	12/16/2011 2:35:00 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:15:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	32	3.0		mg/L	1	12/19/2011 10:05:54 AM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	12/19/2011 10:05:54 AM
Surr: DNOP	124	81.1-147		%REC	1	12/19/2011 10:05:54 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	1.7	0.50		mg/L	10	12/24/2011 4:12:21 AM
Surr: BFB	99.5	69.3-120		%REC	10	12/24/2011 4:12:21 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Chloride	2400	100		mg/L	200	12/27/2011 9:36:09 PM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	780	2.0		mg/L	1	12/20/2011 6:57:00 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Acenaphthylene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Aniline	910	50		µg/L	1	12/20/2011 2:49:52 PM
Anthracene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Azobenzene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Benz(a)anthracene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Benzo(a)pyrene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Benzoic acid	ND	100		µg/L	1	12/20/2011 2:49:52 PM
Benzyl alcohol	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	12/20/2011 2:49:52 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Butyl benzyl phthalate	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Carbazole	ND	50		µg/L	1	12/20/2011 2:49:52 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	12/20/2011 2:49:52 PM
4-Chloroaniline	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2-Chloronaphthalene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2-Chlorophenol	ND	50		µg/L	1	12/20/2011 2:49:52 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Chrysene	ND	50		µg/L	1	12/20/2011 2:49:52 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:15:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Di-n-butyl phthalate	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Di-n-octyl phthalate	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Dibenzofuran	ND	50		µg/L	1	12/20/2011 2:49:52 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Diethyl phthalate	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Dimethyl phthalate	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2,4-Dichlorophenol	ND	100		µg/L	1	12/20/2011 2:49:52 PM
2,4-Dimethylphenol	700	50		µg/L	1	12/20/2011 2:49:52 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	12/20/2011 2:49:52 PM
2,4-Dinitrophenol	ND	100		µg/L	1	12/20/2011 2:49:52 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Fluoranthene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Fluorene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Hexachlorobenzene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Hexachlorobutadiene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Hexachloroethane	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Isophorone	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2-Methylnaphthalene	89	50		µg/L	1	12/20/2011 2:49:52 PM
1-Methylnaphthalene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2-Methylphenol	3000	500		µg/L	10	12/20/2011 6:13:30 PM
3+4-Methylphenol	5800	500		µg/L	10	12/20/2011 6:13:30 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	12/20/2011 2:49:52 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	12/20/2011 2:49:52 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Naphthalene	58	50		µg/L	1	12/20/2011 2:49:52 PM
2-Nitroaniline	ND	50		µg/L	1	12/20/2011 2:49:52 PM
3-Nitroaniline	ND	50		µg/L	1	12/20/2011 2:49:52 PM
4-Nitroaniline	ND	100		µg/L	1	12/20/2011 2:49:52 PM
Nitrobenzene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2-Nitrophenol	ND	50		µg/L	1	12/20/2011 2:49:52 PM
4-Nitrophenol	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Pentachlorophenol	ND	100		µg/L	1	12/20/2011 2:49:52 PM
Phenanthrene	ND	50		µg/L	1	12/20/2011 2:49:52 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:15:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Phenol	10000	500		µg/L	10	12/20/2011 6:13:30 PM
Pyrene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Pyridine	ND	50		µg/L	1	12/20/2011 2:49:52 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	12/20/2011 2:49:52 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	12/20/2011 2:49:52 PM
Surr: 2,4,6-Tribromophenol	78.0	18.1-138		%REC	1	12/20/2011 2:49:52 PM
Surr: 2-Fluorobiphenyl	67.3	25.9-101		%REC	1	12/20/2011 2:49:52 PM
Surr: 2-Fluorophenol	55.0	12.5-93.2		%REC	1	12/20/2011 2:49:52 PM
Surr: 4-Terphenyl-d14	84.4	29.5-112		%REC	1	12/20/2011 2:49:52 PM
Surr: Nitrobenzene-d5	75.2	20.5-120		%REC	1	12/20/2011 2:49:52 PM
Surr: Phenol-d5	45.3	11.3-73.2		%REC	1	12/20/2011 2:49:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Benzene	20	10		µg/L	10	12/16/2011 4:34:12 PM
Toluene	63	10		µg/L	10	12/16/2011 4:34:12 PM
Ethylbenzene	25	10		µg/L	10	12/16/2011 4:34:12 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2,4-Trimethylbenzene	94	10		µg/L	10	12/16/2011 4:34:12 PM
1,3,5-Trimethylbenzene	33	10		µg/L	10	12/16/2011 4:34:12 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Naphthalene	72	20		µg/L	10	12/16/2011 4:34:12 PM
1-Methylnaphthalene	67	40		µg/L	10	12/16/2011 4:34:12 PM
2-Methylnaphthalene	110	40		µg/L	10	12/16/2011 4:34:12 PM
Acetone	4300	500		µg/L	50	12/16/2011 4:06:33 PM
Bromobenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Bromodichloromethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Bromoform	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Bromomethane	ND	30		µg/L	10	12/16/2011 4:34:12 PM
2-Butanone	630	100		µg/L	10	12/16/2011 4:34:12 PM
Carbon disulfide	ND	100		µg/L	10	12/16/2011 4:34:12 PM
Carbon Tetrachloride	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Chlorobenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Chloroethane	ND	20		µg/L	10	12/16/2011 4:34:12 PM
Chloroform	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Chloromethane	ND	30		µg/L	10	12/16/2011 4:34:12 PM
2-Chlorotoluene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
4-Chlorotoluene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
cis-1,2-DCE	ND	10		µg/L	10	12/16/2011 4:34:12 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:15:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
cis-1,3-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	12/16/2011 4:34:12 PM
Dibromochloromethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Dibromomethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Dichlorodifluoromethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,1-Dichloroethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,1-Dichloroethene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2-Dichloropropane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,3-Dichloropropane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
2,2-Dichloropropane	ND	20		µg/L	10	12/16/2011 4:34:12 PM
1,1-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Hexachlorobutadiene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
2-Hexanone	ND	100		µg/L	10	12/16/2011 4:34:12 PM
Isopropylbenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
4-Isopropyltoluene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	12/16/2011 4:34:12 PM
Methylene Chloride	ND	30		µg/L	10	12/16/2011 4:34:12 PM
n-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
n-Propylbenzene	15	10		µg/L	10	12/16/2011 4:34:12 PM
sec-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Styrene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
tert-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	12/16/2011 4:34:12 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	12/16/2011 4:34:12 PM
trans-1,2-DCE	ND	10		µg/L	10	12/16/2011 4:34:12 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Trichloroethene (TCE)	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Trichlorofluoromethane	ND	10		µg/L	10	12/16/2011 4:34:12 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	12/16/2011 4:34:12 PM
Vinyl chloride	ND	10		µg/L	10	12/16/2011 4:34:12 PM
Xylenes, Total	170	15		µg/L	10	12/16/2011 4:34:12 PM
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%REC	10	12/16/2011 4:34:12 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:15:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Surr: 4-Bromofluorobenzene	89.6	73-131		%REC	10	12/16/2011 4:34:12 PM
Surr: Dibromofluoromethane	101	70-130		%REC	10	12/16/2011 4:34:12 PM
Surr: Toluene-d8	85.1	70-130		%REC	10	12/16/2011 4:34:12 PM
SM4500-H+B: PH						Analyst: **IC**
pH	10.42	0.100	H	pH units	1	12/16/2011 2:39:00 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/15/2011 9:45:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	38	3.0		mg/L	1	12/19/2011 10:40:33 AM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	12/19/2011 10:40:33 AM
Surr: DNOP	123	81.1-147		%REC	1	12/19/2011 10:40:33 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.63	0.50		mg/L	10	12/24/2011 4:42:36 AM
Surr: BFB	93.1	69.3-120		%REC	10	12/24/2011 4:42:36 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	49	2.0	*	mg/L	20	12/15/2011 5:00:32 PM
Chloride	3200	1000		mg/L	2000	12/27/2011 10:00:59 PM
Bromide	2.3	1.0		mg/L	10	12/28/2011 1:54:30 PM
Nitrate (As N)+Nitrite (As N)	10	4.0	*	mg/L	20	12/28/2011 6:52:25 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	12/15/2011 4:48:07 PM
Sulfate	1300	100		mg/L	200	12/29/2011 11:48:00 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.022	0.0020		mg/L	1	12/23/2011 3:42:04 PM
Cadmium	ND	0.0020		mg/L	1	12/23/2011 3:42:04 PM
Calcium	43	5.0		mg/L	5	12/30/2011 11:27:38 AM
Chromium	0.010	0.0060		mg/L	1	12/23/2011 3:42:04 PM
Copper	ND	0.0060		mg/L	1	12/23/2011 3:42:04 PM
Iron	1.7	0.10		mg/L	5	12/30/2011 11:27:38 AM
Lead	ND	0.0050		mg/L	1	12/23/2011 3:42:04 PM
Magnesium	43	5.0		mg/L	5	12/30/2011 11:27:38 AM
Manganese	0.093	0.0020		mg/L	1	12/23/2011 3:42:04 PM
Potassium	39	5.0		mg/L	5	12/30/2011 11:27:38 AM
Silver	ND	0.0050		mg/L	1	12/23/2011 3:42:04 PM
Sodium	2400	100		mg/L	100	12/30/2011 1:53:44 PM
Zinc	0.027	0.010		mg/L	1	12/23/2011 3:42:04 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.17	0.0040		mg/L	1	12/20/2011 2:59:44 PM
Cadmium	ND	0.0040		mg/L	1	12/20/2011 2:59:44 PM
Calcium	ND	2.0		mg/L	1	12/20/2011 2:59:44 PM
Chromium	0.019	0.012		mg/L	1	12/20/2011 2:59:44 PM
Copper	0.021	0.012		mg/L	1	12/20/2011 2:59:44 PM
Iron	11	0.80	*	mg/L	20	12/21/2011 1:23:48 PM
Lead	ND	0.010		mg/L	1	12/20/2011 2:59:44 PM
Magnesium	47	2.0		mg/L	1	12/20/2011 2:59:44 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
- 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/15/2011 9:45:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Manganese	0.13	0.0040	*	mg/L	1	12/20/2011 2:59:44 PM
Potassium	40	2.0		mg/L	1	12/20/2011 2:59:44 PM
Silver	ND	0.010		mg/L	1	12/20/2011 2:59:44 PM
Sodium	2600	40		mg/L	20	12/21/2011 1:23:48 PM
Zinc	0.21	0.020		mg/L	1	12/20/2011 2:59:44 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0090	0.0010		mg/L	1	12/28/2011 1:55:42 PM
Selenium	0.0088	0.0010		mg/L	1	12/28/2011 1:55:42 PM
Uranium	0.0047	0.0010		mg/L	1	12/28/2011 3:19:51 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.015	0.0050		mg/L	2.5	12/21/2011 1:04:57 PM
Selenium	0.016	0.0050		mg/L	2.5	12/21/2011 1:04:57 PM
Uranium	0.0053	0.0050		mg/L	2.5	12/21/2011 1:04:57 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.012	0.0010	*	mg/L	5	12/16/2011 1:26:33 PM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	520	2.0		mg/L	1	12/20/2011 6:57:00 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Acenaphthylene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Aniline	850	500		µg/L	10	12/20/2011 6:41:57 PM
Anthracene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Azobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benz(a)anthracene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(a)pyrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzoic acid	ND	100		µg/L	1	12/20/2011 12:24:27 PM
Benzyl alcohol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM

Qualifiers:

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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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/15/2011 9:45:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Butyl benzyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Carbazole	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Chloroaniline	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Chloronaphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Chlorophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Chrysene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Di-n-butyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Di-n-octyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Dibenzofuran	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Diethyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Dimethyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dichlorophenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dimethylphenol	710	50		µg/L	1	12/20/2011 12:24:27 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dinitrophenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Fluoranthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Fluorene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachlorobutadiene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachloroethane	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Isophorone	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Methylnaphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1-Methylnaphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Methylphenol	3700	500		µg/L	10	12/20/2011 6:41:57 PM
3+4-Methylphenol	7100	500		µg/L	10	12/20/2011 6:41:57 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Naphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 PM

Qualifiers:

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/15/2011 9:45:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2-Nitroaniline	ND	50		µg/L	1	12/20/2011 12:24:27 PM
3-Nitroaniline	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Nitroaniline	ND	100		µg/L	1	12/20/2011 12:24:27 PM
Nitrobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Nitrophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Nitrophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Pentachlorophenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
Phenanthrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Phenol	12000	1000		µg/L	20	12/20/2011 9:57:48 PM
Pyrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Pyridine	53	50		µg/L	1	12/20/2011 12:24:27 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Surr: 2,4,6-Tribromophenol	82.9	18.1-138		%REC	1	12/20/2011 12:24:27 PM
Surr: 2-Fluorobiphenyl	69.6	25.9-101		%REC	1	12/20/2011 12:24:27 PM
Surr: 2-Fluorophenol	60.6	12.5-93.2		%REC	1	12/20/2011 12:24:27 PM
Surr: 4-Terphenyl-d14	87.6	29.5-112		%REC	1	12/20/2011 12:24:27 PM
Surr: Nitrobenzene-d5	77.3	20.5-120		%REC	1	12/20/2011 12:24:27 PM
Surr: Phenol-d5	47.6	11.3-73.2		%REC	1	12/20/2011 12:24:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Toluene	17	10		µg/L	10	12/16/2011 4:45:05 AM
Ethylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,4-Trimethylbenzene	48	10		µg/L	10	12/16/2011 4:45:05 AM
1,3,5-Trimethylbenzene	15	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Naphthalene	34	20		µg/L	10	12/16/2011 4:45:05 AM
1-Methylnaphthalene	54	40		µg/L	10	12/16/2011 4:45:05 AM
2-Methylnaphthalene	88	40		µg/L	10	12/16/2011 4:45:05 AM
Acetone	4100	500		µg/L	50	12/19/2011 1:03:47 PM
Bromobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Bromodichloromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Bromoform	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Bromomethane	ND	30		µg/L	10	12/16/2011 4:45:05 AM
2-Butanone	380	100		µg/L	10	12/16/2011 4:45:05 AM
Carbon disulfide	ND	100		µg/L	10	12/16/2011 4:45:05 AM

Qualifiers:

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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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/15/2011 9:45:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Carbon Tetrachloride	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Chlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Chloroethane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Chloroform	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Chloromethane	ND	30		µg/L	10	12/16/2011 4:45:05 AM
2-Chlorotoluene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
4-Chlorotoluene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
cis-1,2-DCE	ND	10		µg/L	10	12/16/2011 4:45:05 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Dibromochloromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Dibromomethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Dichlorodifluoromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1-Dichloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1-Dichloroethene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dichloropropane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,3-Dichloropropane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
2,2-Dichloropropane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
1,1-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Hexachlorobutadiene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
2-Hexanone	ND	100		µg/L	10	12/16/2011 4:45:05 AM
Isopropylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
4-Isopropyltoluene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	12/16/2011 4:45:05 AM
Methylene Chloride	ND	30		µg/L	10	12/16/2011 4:45:05 AM
n-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
n-Propylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
sec-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Styrene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
tert-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
trans-1,2-DCE	ND	10		µg/L	10	12/16/2011 4:45:05 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/15/2011 9:45:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1,1-Trichloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Trichloroethene (TCE)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Trichlorofluoromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Vinyl chloride	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Xylenes, Total	57	15		µg/L	10	12/16/2011 4:45:05 AM
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%REC	10	12/16/2011 4:45:05 AM
Surr: 4-Bromofluorobenzene	84.4	73-131		%REC	10	12/16/2011 4:45:05 AM
Surr: Dibromofluoromethane	95.6	70-130		%REC	10	12/16/2011 4:45:05 AM
Surr: Toluene-d8	90.2	70-130		%REC	10	12/16/2011 4:45:05 AM
SM4500-H+B: PH						Analyst: **IC**
pH	9.54	0.100	H	pH units	1	12/16/2011 2:13:00 PM

Qualifiers:

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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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	38	3.0		mg/L	1	12/19/2011 10:40:33 AM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	12/19/2011 10:40:33 AM
Surr: DNOP	123	81.1-147		%REC	1	12/19/2011 10:40:33 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.63	0.50		mg/L	10	12/24/2011 4:42:36 AM
Surr: BFB	93.1	69.3-120		%REC	10	12/24/2011 4:42:36 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	49	2.0	*	mg/L	20	12/15/2011 5:00:32 PM
Chloride	3200	1000		mg/L	2000	12/27/2011 10:00:59 PM
Bromide	2.3	1.0		mg/L	10	12/28/2011 1:54:30 PM
Nitrate (As N)+Nitrite (As N)	10	4.0	*	mg/L	20	12/28/2011 6:52:25 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	12/15/2011 4:48:07 PM
Sulfate	1300	100		mg/L	200	12/29/2011 11:48:00 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.022	0.0020		mg/L	1	12/23/2011 3:42:04 PM
Cadmium	ND	0.0020		mg/L	1	12/23/2011 3:42:04 PM
Calcium	43	5.0		mg/L	5	12/30/2011 11:27:38 AM
Chromium	0.010	0.0060		mg/L	1	12/23/2011 3:42:04 PM
Copper	ND	0.0060		mg/L	1	12/23/2011 3:42:04 PM
Iron	1.7	0.10		mg/L	5	12/30/2011 11:27:38 AM
Lead	ND	0.0050		mg/L	1	12/23/2011 3:42:04 PM
Magnesium	43	5.0		mg/L	5	12/30/2011 11:27:38 AM
Manganese	0.093	0.0020		mg/L	1	12/23/2011 3:42:04 PM
Potassium	39	5.0		mg/L	5	12/30/2011 11:27:38 AM
Silver	ND	0.0050		mg/L	1	12/23/2011 3:42:04 PM
Sodium	2400	100		mg/L	100	12/30/2011 1:53:44 PM
Zinc	0.027	0.010		mg/L	1	12/23/2011 3:42:04 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.17	0.0040		mg/L	1	12/20/2011 2:59:44 PM
Cadmium	ND	0.0040		mg/L	1	12/20/2011 2:59:44 PM
Calcium	ND	2.0		mg/L	1	12/20/2011 2:59:44 PM
Chromium	0.019	0.012		mg/L	1	12/20/2011 2:59:44 PM
Copper	0.021	0.012		mg/L	1	12/20/2011 2:59:44 PM
Iron	11	0.80	*	mg/L	20	12/21/2011 1:23:48 PM
Lead	ND	0.010		mg/L	1	12/20/2011 2:59:44 PM
Magnesium	47	2.0		mg/L	1	12/20/2011 2:59:44 PM

Qualifiers:

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- 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Manganese	0.13	0.0040	*	mg/L	1	12/20/2011 2:59:44 PM
Potassium	40	2.0		mg/L	1	12/20/2011 2:59:44 PM
Silver	ND	0.010		mg/L	1	12/20/2011 2:59:44 PM
Sodium	2600	40		mg/L	20	12/21/2011 1:23:48 PM
Zinc	0.21	0.020		mg/L	1	12/20/2011 2:59:44 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0090	0.0010		mg/L	1	12/28/2011 1:55:42 PM
Selenium	0.0088	0.0010		mg/L	1	12/28/2011 1:55:42 PM
Uranium	0.0047	0.0010		mg/L	1	12/28/2011 3:19:51 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.015	0.0050		mg/L	2.5	12/21/2011 1:04:57 PM
Selenium	0.016	0.0050		mg/L	2.5	12/21/2011 1:04:57 PM
Uranium	0.0053	0.0050		mg/L	2.5	12/21/2011 1:04:57 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.012	0.0010	*	mg/L	5	12/16/2011 1:26:33 PM
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	520	2.0		mg/L	1	12/20/2011 6:57:00 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Acenaphthylene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Aniline	850	500		µg/L	10	12/20/2011 6:41:57 PM
Anthracene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Azobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benz(a)anthracene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(a)pyrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Benzoic acid	ND	100		µg/L	1	12/20/2011 12:24:27 PM
Benzyl alcohol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM

Qualifiers:

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- 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Butyl benzyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Carbazole	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Chloroaniline	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Chloronaphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Chlorophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Chrysene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Di-n-butyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Di-n-octyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Dibenzofuran	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Diethyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Dimethyl phthalate	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dichlorophenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dimethylphenol	710	50		µg/L	1	12/20/2011 12:24:27 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dinitrophenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Fluoranthene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Fluorene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachlorobutadiene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Hexachloroethane	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Isophorone	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Methylnaphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
1-Methylnaphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Methylphenol	3700	500		µg/L	10	12/20/2011 6:41:57 PM
3+4-Methylphenol	7100	500		µg/L	10	12/20/2011 6:41:57 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Naphthalene	ND	50		µg/L	1	12/20/2011 12:24:27 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2-Nitroaniline	ND	50		µg/L	1	12/20/2011 12:24:27 PM
3-Nitroaniline	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Nitroaniline	ND	100		µg/L	1	12/20/2011 12:24:27 PM
Nitrobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2-Nitrophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
4-Nitrophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Pentachlorophenol	ND	100		µg/L	1	12/20/2011 12:24:27 PM
Phenanthrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Phenol	12000	1000		µg/L	20	12/20/2011 9:57:48 PM
Pyrene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Pyridine	53	50		µg/L	1	12/20/2011 12:24:27 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	12/20/2011 12:24:27 PM
Surr: 2,4,6-Tribromophenol	82.9	18.1-138		%REC	1	12/20/2011 12:24:27 PM
Surr: 2-Fluorobiphenyl	69.6	25.9-101		%REC	1	12/20/2011 12:24:27 PM
Surr: 2-Fluorophenol	60.6	12.5-93.2		%REC	1	12/20/2011 12:24:27 PM
Surr: 4-Terphenyl-d14	87.6	29.5-112		%REC	1	12/20/2011 12:24:27 PM
Surr: Nitrobenzene-d5	77.3	20.5-120		%REC	1	12/20/2011 12:24:27 PM
Surr: Phenol-d5	47.6	11.3-73.2		%REC	1	12/20/2011 12:24:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Toluene	17	10		µg/L	10	12/16/2011 4:45:05 AM
Ethylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,4-Trimethylbenzene	48	10		µg/L	10	12/16/2011 4:45:05 AM
1,3,5-Trimethylbenzene	15	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Naphthalene	34	20		µg/L	10	12/16/2011 4:45:05 AM
1-Methylnaphthalene	54	40		µg/L	10	12/16/2011 4:45:05 AM
2-Methylnaphthalene	88	40		µg/L	10	12/16/2011 4:45:05 AM
Acetone	4100	500		µg/L	50	12/19/2011 1:03:47 PM
Bromobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Bromodichloromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Bromoform	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Bromomethane	ND	30		µg/L	10	12/16/2011 4:45:05 AM
2-Butanone	380	100		µg/L	10	12/16/2011 4:45:05 AM
Carbon disulfide	ND	100		µg/L	10	12/16/2011 4:45:05 AM

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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-I
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Carbon Tetrachloride	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Chlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Chloroethane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Chloroform	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Chloromethane	ND	30		µg/L	10	12/16/2011 4:45:05 AM
2-Chlorotoluene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
4-Chlorotoluene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
cis-1,2-DCE	ND	10		µg/L	10	12/16/2011 4:45:05 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Dibromochloromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Dibromomethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Dichlorodifluoromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1-Dichloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1-Dichloroethene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2-Dichloropropane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,3-Dichloropropane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
2,2-Dichloropropane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
1,1-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Hexachlorobutadiene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
2-Hexanone	ND	100		µg/L	10	12/16/2011 4:45:05 AM
Isopropylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
4-Isopropyltoluene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	12/16/2011 4:45:05 AM
Methylene Chloride	ND	30		µg/L	10	12/16/2011 4:45:05 AM
n-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
n-Propylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
sec-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Styrene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
tert-Butylbenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
trans-1,2-DCE	ND	10		µg/L	10	12/16/2011 4:45:05 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	12/16/2011 4:45:05 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1112650	**Collection Date:**	12/14/2011 8:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1,1-Trichloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Trichloroethene (TCE)	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Trichlorofluoromethane	ND	10		µg/L	10	12/16/2011 4:45:05 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	12/16/2011 4:45:05 AM
Vinyl chloride	ND	10		µg/L	10	12/16/2011 4:45:05 AM
Xylenes, Total	57	15		µg/L	10	12/16/2011 4:45:05 AM
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%REC	10	12/16/2011 4:45:05 AM
Surr: 4-Bromofluorobenzene	84.4	73-131		%REC	10	12/16/2011 4:45:05 AM
Surr: Dibromofluoromethane	95.6	70-130		%REC	10	12/16/2011 4:45:05 AM
Surr: Toluene-d8	90.2	70-130		%REC	10	12/16/2011 4:45:05 AM
SM4500-H+B: PH						Analyst: **IC**
pH	9.54	0.100	H	pH units	1	12/16/2011 2:13:00 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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 9:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.4	1.0		mg/L	1	12/19/2011 11:15:20 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 11:15:20 AM
Surr: DNOP	127	81.1-147		%REC	1	12/19/2011 11:15:20 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.61	0.25		mg/L	5	12/24/2011 3:43:21 PM
Surr: BFB	104	69.3-120		%REC	5	12/24/2011 3:43:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	330	13		µg/L	5	12/24/2011 3:43:21 PM
Benzene	22	5.0		µg/L	5	12/24/2011 3:43:21 PM
Toluene	ND	5.0		µg/L	5	12/24/2011 3:43:21 PM
Ethylbenzene	8.9	5.0		µg/L	5	12/24/2011 3:43:21 PM
Xylenes, Total	ND	10		µg/L	5	12/24/2011 3:43:21 PM
Surr: 4-Bromofluorobenzene	107	76.5-115		%REC	5	12/24/2011 3:43:21 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	1.8	0.010		mg/L	5	12/22/2011 1:44:04 PM
Cadmium	ND	0.0020		mg/L	1	12/22/2011 1:41:30 PM
Chromium	ND	0.0060		mg/L	1	12/22/2011 1:41:30 PM
Copper	ND	0.0060		mg/L	1	12/22/2011 1:41:30 PM
Iron	3.2	0.10		mg/L	5	12/22/2011 1:44:04 PM
Lead	ND	0.0050		mg/L	1	12/22/2011 1:41:30 PM
Manganese	1.3	0.010		mg/L	5	12/22/2011 1:44:04 PM
Silver	ND	0.0050		mg/L	1	12/22/2011 1:41:30 PM
Zinc	ND	0.010		mg/L	1	12/22/2011 1:41:30 PM
EPA METHOD 200.7: METALS						Analyst: **ELS**
Barium	1.7	0.020		mg/L	10	12/21/2011 1:29:36 PM
Cadmium	ND	0.0020		mg/L	1	12/20/2011 3:05:29 PM
Chromium	ND	0.0060		mg/L	1	12/20/2011 3:05:29 PM
Copper	ND	0.0060		mg/L	1	12/20/2011 3:05:29 PM
Iron	4.1	0.20	*	mg/L	10	12/21/2011 1:29:36 PM
Lead	ND	0.0050		mg/L	1	12/20/2011 3:05:29 PM
Manganese	1.4	0.020	*	mg/L	10	12/21/2011 1:29:36 PM
Silver	ND	0.0050		mg/L	1	12/20/2011 3:05:29 PM
Zinc	0.011	0.010		mg/L	1	12/20/2011 3:05:29 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0089	0.0010		mg/L	1	12/28/2011 1:57:43 PM

Qualifiers:

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- 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 9:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Selenium	0.0028	0.0010		mg/L	1	12/28/2011 1:57:43 PM
Uranium	ND	0.0010		mg/L	1	12/28/2011 3:21:53 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0099	0.0025		mg/L	2.5	12/21/2011 1:11:03 PM
Selenium	ND	0.0025		mg/L	2.5	12/21/2011 1:11:03 PM
Uranium	ND	0.0025		mg/L	2.5	12/21/2011 1:11:03 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/16/2011 1:10:29 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Acenaphthylene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Aniline	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Anthracene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Azobenzene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Benz(a)anthracene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Benzo(a)pyrene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Benzoic acid	ND	20		µg/L	1	12/20/2011 12:53:27 PM
Benzyl alcohol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	12/20/2011 12:53:27 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Butyl benzyl phthalate	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Carbazole	ND	10		µg/L	1	12/20/2011 12:53:27 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
4-Chloroaniline	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2-Chloronaphthalene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2-Chlorophenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Chrysene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Di-n-butyl phthalate	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Di-n-octyl phthalate	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	12/20/2011 12:53:27 PM

Qualifiers:

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- 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 9:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Dibenzofuran	ND	10		µg/L	1	12/20/2011 12:53:27 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Diethyl phthalate	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Dimethyl phthalate	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2,4-Dichlorophenol	ND	20		µg/L	1	12/20/2011 12:53:27 PM
2,4-Dimethylphenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	12/20/2011 12:53:27 PM
2,4-Dinitrophenol	ND	20		µg/L	1	12/20/2011 12:53:27 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Fluoranthene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Fluorene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Hexachlorobenzene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Hexachlorobutadiene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Hexachloroethane	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Isophorone	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
1-Methylnaphthalene	10	10		µg/L	1	12/20/2011 12:53:27 PM
2-Methylphenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
3+4-Methylphenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	12/20/2011 12:53:27 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	12/20/2011 12:53:27 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Naphthalene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2-Nitroaniline	ND	10		µg/L	1	12/20/2011 12:53:27 PM
3-Nitroaniline	ND	10		µg/L	1	12/20/2011 12:53:27 PM
4-Nitroaniline	ND	20		µg/L	1	12/20/2011 12:53:27 PM
Nitrobenzene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2-Nitrophenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
4-Nitrophenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Pentachlorophenol	ND	20		µg/L	1	12/20/2011 12:53:27 PM
Phenanthrene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Phenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Pyrene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Pyridine	ND	10		µg/L	1	12/20/2011 12:53:27 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
- 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1112650	**Collection Date:**	12/14/2011 9:30:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	12/20/2011 12:53:27 PM
Surr: 2,4,6-Tribromophenol	91.1	18.1-138		%REC	1	12/20/2011 12:53:27 PM
Surr: 2-Fluorobiphenyl	83.0	25.9-101		%REC	1	12/20/2011 12:53:27 PM
Surr: 2-Fluorophenol	53.8	12.5-93.2		%REC	1	12/20/2011 12:53:27 PM
Surr: 4-Terphenyl-d14	87.4	29.5-112		%REC	1	12/20/2011 12:53:27 PM
Surr: Nitrobenzene-d5	91.1	20.5-120		%REC	1	12/20/2011 12:53:27 PM
Surr: Phenol-d5	39.7	11.3-73.2		%REC	1	12/20/2011 12:53:27 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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NEOCD Closure -4.5'
Lab Order:	1112650	**Collection Date:**	12/13/2011 1:30:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-10	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Chloride	22	7.5		mg/Kg	5	12/20/2011 12:21:12 AM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	0.049		mg/Kg	1	12/19/2011 5:11:31 PM
Toluene	ND	0.049		mg/Kg	1	12/19/2011 5:11:31 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2011 5:11:31 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2011 5:11:31 PM
Surr: 1,2-Dichloroethane-d4	91.6	70-130		%REC	1	12/19/2011 5:11:31 PM
Surr: 4-Bromofluorobenzene	89.7	70-130		%REC	1	12/19/2011 5:11:31 PM
Surr: Dibromofluoromethane	94.9	63.1-128		%REC	1	12/19/2011 5:11:31 PM
Surr: Toluene-d8	101	70-130		%REC	1	12/19/2011 5:11:31 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/21/2011

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
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1112650	**Collection Date:**	
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-11	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Toluene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Ethylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Naphthalene	ND	2.0		µg/L	1	12/16/2011 5:40:44 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/16/2011 5:40:44 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/16/2011 5:40:44 AM
Acetone	ND	10		µg/L	1	12/16/2011 5:40:44 AM
Bromobenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Bromoform	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Bromomethane	ND	3.0		µg/L	1	12/16/2011 5:40:44 AM
2-Butanone	ND	10		µg/L	1	12/16/2011 5:40:44 AM
Carbon disulfide	ND	10		µg/L	1	12/16/2011 5:40:44 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Chlorobenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Chloroethane	ND	2.0		µg/L	1	12/16/2011 5:40:44 AM
Chloroform	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Chloromethane	ND	3.0		µg/L	1	12/16/2011 5:40:44 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/16/2011 5:40:44 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Dibromomethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/16/2011 5:40:44 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *14-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1112650	**Collection Date:**	
Project:	4th QTR 2011 Sampling	**Date Received:**	12/14/2011
Lab ID:	1112650-11	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
2-Hexanone	ND	10		µg/L	1	12/16/2011 5:40:44 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/16/2011 5:40:44 AM
Methylene Chloride	ND	3.0		µg/L	1	12/16/2011 5:40:44 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Styrene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/16/2011 5:40:44 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/16/2011 5:40:44 AM
Vinyl chloride	ND	1.0		µg/L	1	12/16/2011 5:40:44 AM
Xylenes, Total	ND	1.5		µg/L	1	12/16/2011 5:40:44 AM
Surr: 1,2-Dichloroethane-d4	86.3	70-130		%REC	1	12/16/2011 5:40:44 AM
Surr: 4-Bromofluorobenzene	86.2	73-131		%REC	1	12/16/2011 5:40:44 AM
Surr: Dibromofluoromethane	95.7	70-130		%REC	1	12/16/2011 5:40:44 AM
Surr: Toluene-d8	88.5	70-130		%REC	1	12/16/2011 5:40:44 AM

Qualifiers:

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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111216026
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1112650
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111216026-001	**Sampling Date**	12/14/2011	**Date/Time Received**	12/16/2011 11:40 AM
Client Sample ID	1112650-05E / PILOT EFF	**Sampling Time**	7:55 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	673	mg/L	50	12/21/2011	JLU	EPA 410.4	

Sample Number	111216026-002	**Sampling Date**	12/14/2011	**Date/Time Received**	12/16/2011 11:40 AM
Client Sample ID	1112650-06F / INFL TO AL-1	**Sampling Time**	7:40 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	2440	mg/L	125	12/21/2011	JLU	EPA 410.4	

Sample Number	111216026-003	**Sampling Date**	12/14/2011	**Date/Time Received**	12/16/2011 11:40 AM
Client Sample ID	1112650-07F / INFL TO AL-2	**Sampling Time**	8:15 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	2330	mg/L	125	12/21/2011	JLU	EPA 410.4	

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111216026
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1112650
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111216026-004	**Sampling Date**	12/14/2011	**Date/Time Received**	12/16/2011 11:40 AM
Client Sample ID	1112650-08H / INFL TO EP-1	**Sampling Time**	8:30 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1840	mg/L	125	12/21/2011	JLU	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Metals**											
Sample ID: **MB-29791**		*MBLK*				Batch ID:	**29791**	Analysis Date:	12/20/2011 1:42:03 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **LCS-29791**		*LCS*				Batch ID:	**29791**	Analysis Date:	12/20/2011 1:44:56 PM		
Arsenic	0.5477	mg/L	0.020	0.5	0	110	85	115			
Barium	0.5249	mg/L	0.0020	0.5	0	105	85	115			
Cadmium	0.5289	mg/L	0.0020	0.5	0.0003	106	85	115			
[illegible]ium	53.25	mg/L	1.0	50	0	107	85	115			
[illegible]mium	0.5202	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5179	mg/L	0.0060	0.5	0.0018	103	85	115			
Iron	0.5259	mg/L	0.020	0.5	0	105	85	115			
Lead	0.5220	mg/L	0.0050	0.5	0	104	85	115			
Magnesium	52.86	mg/L	1.0	50	0.0061	106	85	115			
Manganese	0.5105	mg/L	0.0020	0.5	0	102	85	115			
Potassium	50.96	mg/L	1.0	50	0	102	85	115			
Selenium	0.5437	mg/L	0.050	0.5	0	109	85	115			
Silver	0.1059	mg/L	0.0050	0.1	0	106	85	115			
Sodium	51.62	mg/L	1.0	50	0	103	85	115			
Zinc	0.5204	mg/L	0.010	0.5	0.0015	104	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
*	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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Dissolved Metals**											
Sample ID: **MB**		*MBLK*				Batch ID: **R49771**		Analysis Date: 12/22/2011 6:36:05 AM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: **MB**		*MBLK*				Batch ID: **R49777**		Analysis Date: 12/22/2011 12:36:50 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: **MB**		*MBLK*				Batch ID: **R49806**		Analysis Date: 12/23/2011 1:22:46 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **MB**		*MBLK*				Batch ID: **R49876**		Analysis Date: 12/30/2011 11:15:40 AM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								

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
ct: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	R49876	Analysis Date:	12/30/2011 11:15:40 AM		
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID:	R49771	Analysis Date:	12/22/2011 6:38:59 AM		
Barium	0.5217	mg/L	0.0020	0.5	0	104	85	115			
Cadmium	0.5266	mg/L	0.0020	0.5	0.0003	105	85	115			
Chromium	0.5182	mg/L	0.0060	0.5	0	104	85	115			
Copper	0.5231	mg/L	0.0060	0.5	0.0008	104	85	115			
Lead	0.5248	mg/L	0.0050	0.5	0	105	85	115			
Manganese	0.5080	mg/L	0.0020	0.5	0	102	85	115			
Silver	0.1006	mg/L	0.0050	0.1	0	101	85	115			
Zinc	0.5206	mg/L	0.010	0.5	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	R49777	Analysis Date:	12/22/2011 12:39:43 PM		
Barium	0.4706	mg/L	0.0020	0.5	0	94.1	85	115			
Cadmium	0.4764	mg/L	0.0020	0.5	0	95.3	85	115			
Chromium	0.4709	mg/L	0.0060	0.5	0	94.2	85	115			
Copper	0.4640	mg/L	0.0060	0.5	0	92.8	85	115			
Iron	0.4651	mg/L	0.020	0.5	0	93.0	85	115			
Lead	0.4734	mg/L	0.0050	0.5	0	94.7	85	115			
Manganese	0.4589	mg/L	0.0020	0.5	0	91.8	85	115			
[illegible]	0.08994	mg/L	0.0050	0.1	0	89.9	85	115			
	0.4672	mg/L	0.010	0.5	0	93.4	85	115			
Sample ID: LCS		*LCS*				Batch ID:	R49806	Analysis Date:	12/23/2011 1:25:39 PM		
Barium	0.4924	mg/L	0.0020	0.5	0	98.5	85	115			
Cadmium	0.4995	mg/L	0.0020	0.5	0	99.9	85	115			
Calcium	51.03	mg/L	1.0	50	0	102	85	115			
Chromium	0.4942	mg/L	0.0060	0.5	0	98.8	85	115			
Copper	0.5016	mg/L	0.0060	0.5	0	100	85	115			
Iron	0.4930	mg/L	0.020	0.5	0	98.6	85	115			
Lead	0.4943	mg/L	0.0050	0.5	0	98.9	85	115			
Magnesium	51.23	mg/L	1.0	50	0.0067	102	85	115			
Manganese	0.4836	mg/L	0.0020	0.5	0	96.7	85	115			
Potassium	49.82	mg/L	1.0	50	0	99.6	85	115			
Silver	0.1013	mg/L	0.0050	0.1	0	101	85	115			
Sodium	50.75	mg/L	1.0	50	0	101	85	115			
Zinc	0.4866	mg/L	0.010	0.5	0	97.3	85	115			
Sample ID: LCS		*LCS*				Batch ID:	R49876	Analysis Date:	12/30/2011 11:18:33 AM		
Barium	0.4901	mg/L	0.0020	0.5	0	98.0	85	115			
Cadmium	0.4959	mg/L	0.0020	0.5	0	99.2	85	115			
Calcium	52.46	mg/L	1.0	50	0	105	85	115			
Chromium	0.4931	mg/L	0.0060	0.5	0	98.6	85	115			
Copper	0.4869	mg/L	0.0060	0.5	0	97.4	85	115			
Iron	0.5008	mg/L	0.020	0.5	0	100	85	115			
Lead	0.4939	mg/L	0.0050	0.5	0	98.8	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R49876**	Analysis Date:	12/30/2011 11:18:33 AM		
Magnesium	53.11	mg/L	1.0	50	0.0031	106	85	115			
Manganese	0.4755	mg/L	0.0020	0.5	0	95.1	85	115			
Potassium	51.17	mg/L	1.0	50	0	102	85	115			
Silver	0.09724	mg/L	0.0050	0.1	0	97.2	85	115			
Sodium	51.61	mg/L	1.0	50	0	103	85	115			
Zinc	0.4875	mg/L	0.010	0.5	0	97.5	85	115			

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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49808**	Analysis Date:	12/22/2011 12:19:10 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 4:30:30 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:00:14 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:15:08 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:47:35 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:13:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49808**	Analysis Date:	12/22/2011 1:12:17 PM		
[illegible]	0.02790	mg/L	0.0010	0.025	0	112	85	115			
[illegible]m	0.02921	mg/L	0.0010	0.025	0	117	85	115			S
Uranium	0.02710	mg/L	0.0010	0.025	0	108	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 4:34:36 PM		
Arsenic	0.02519	mg/L	0.0010	0.025	0	101	85	115			
Selenium	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:02:17 PM		
Arsenic	0.02392	mg/L	0.0010	0.025	0	95.7	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:17:10 PM		
Arsenic	0.02498	mg/L	0.0010	0.025	0	99.9	85	115			
Selenium	0.02613	mg/L	0.0010	0.025	0	105	85	115			
Uranium	0.02396	mg/L	0.0010	0.025	0	95.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:49:36 PM		
Arsenic	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Selenium	0.02578	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:15:48 PM		
Uranium	0.02490	mg/L	0.0010	0.025	0	99.6	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-29791		*MBLK*				Batch ID:	**29791**	Analysis Date:	12/21/2011 12:46:45 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R49808**	Analysis Date:	12/22/2011 12:19:10 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:00:14 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:47:35 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:13:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49808**	Analysis Date:	12/22/2011 1:12:17 PM		
Arsenic	0.02790	mg/L	0.0010	0.025	0	112	85	115			
Selenium	0.02921	mg/L	0.0010	0.025	0	117	85	115			S
Uranium	0.02710	mg/L	0.0010	0.025	0	108	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:02:17 PM		
Arsenic	0.02392	mg/L	0.0010	0.025	0	95.7	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:49:38 PM		
Arsenic	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Selenium	0.02578	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:15:48 PM		
Uranium	0.02490	mg/L	0.0010	0.025	0	99.6	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-29792		*MBLK*				Batch ID:	**29792**	Analysis Date:	12/16/2011 12:49:04 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29792		*LCS*				Batch ID:	**29792**	Analysis Date:	12/16/2011 12:50:50 PM		
Mercury	0.005146	mg/L	0.00020	0.005	4E-05	102	80	120			
Method: EPA Method 300.0: Anions											
Sample ID: MB-29780		*MBLK*				Batch ID:	**29780**	Analysis Date:	12/19/2011 7:07:48 PM		
Chloride	ND	mg/Kg	1.5								
Sample ID: LCS-29780		*LCS*				Batch ID:	**29780**	Analysis Date:	12/19/2011 7:25:13 PM		
Chloride	14.23	mg/Kg	1.5	15	0	94.9	90	110			

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
ct: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1112650-04CMSD		*MSD*				Batch ID: **R49658**		Analysis Date:	12/15/2011	12:15:01 PM	
Bromide	2.568	mg/L	0.10	2.5	0.1749	95.7	76	114	0.348	20	
Nitrate (As N)+Nitrite (As N)	3.218	mg/L	0.20	3.5	0	91.9	83.9	112	0.0225	20	
Phosphorus, Orthophosphate (As P)	4.697	mg/L	0.50	5	0	93.9	79.3	108	0.476	20	
Sample ID: MB		*MBLK*				Batch ID: **R49827**		Analysis Date:	12/27/2011	12:42:24 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R49845**		Analysis Date:	12/28/2011	12:27:36 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R49887**		Analysis Date:	12/30/2011	11:32:44 AM	
Fluoride	ND	mg/L	0.10								
e	ND	mg/L	0.50								
e	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R49827**		Analysis Date:	12/27/2011	12:54:48 PM	
Fluoride	0.4860	mg/L	0.10	0.5	0	97.2	90	110			
Chloride	4.818	mg/L	0.50	5	0	96.4	90	110			
Bromide	2.463	mg/L	0.10	2.5	0	98.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.426	mg/L	0.20	3.5	0	97.9	90	110			
Phosphorus, Orthophosphate (As P)	4.823	mg/L	0.50	5	0	96.5	90	110			
Sulfate	9.738	mg/L	0.50	10	0	97.4	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R49845**		Analysis Date:	12/28/2011	12:40:01 PM	
Fluoride	0.4958	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.815	mg/L	0.50	5	0	96.3	90	110			
Bromide	2.465	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.827	mg/L	0.50	5	0	96.5	90	110			
Sulfate	9.678	mg/L	0.50	10	0	96.8	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R49887**		Analysis Date:	12/30/2011	11:45:08 AM	
Fluoride	0.4967	mg/L	0.10	0.5	0	99.3	90	110			
Chloride	4.809	mg/L	0.50	5	0	96.2	90	110			
Bromide	2.453	mg/L	0.10	2.5	0	98.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.420	mg/L	0.20	3.5	0	97.7	90	110			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
-	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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID: **R49887**		Analysis Date: 12/30/2011 11:45:08 AM			
Phosphorus, Orthophosphate (As P)	4.718	mg/L	0.50	5	0	94.4	90	110			
Sulfate	9.589	mg/L	0.50	10	0	95.9	90	110			
Sample ID: 1112650-04CMS		*MS*				Batch ID: **R49658**		Analysis Date: 12/15/2011 12:02:37 PM			
Bromide	2.577	mg/L	0.10	2.5	0.1749	96.1	76	114			
Nitrate (As N)+Nitrite (As N)	3.219	mg/L	0.20	3.5	0	92.0	83.9	112			
Phosphorus, Orthophosphate (As P)	4.675	mg/L	0.50	5	0	93.5	79.3	108			
Method: EPA Method 418.1: TPH											
Sample ID: MB-29839		*MBLK*				Batch ID: **29839**		Analysis Date: 12/21/2011			
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-29839		*LCS*				Batch ID: **29839**		Analysis Date: 12/21/2011			
Petroleum Hydrocarbons, TR	96.76	mg/Kg	20	100	0	96.8	87.8	115			
Sample ID: LCSD-29839		*LCSD*				Batch ID: **29839**		Analysis Date: 12/21/2011			
Petroleum Hydrocarbons, TR	100.4	mg/Kg	20	100	0	100	87.8	115	3.67	8.04	
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-29777		*MBLK*				Batch ID: **29777**		Analysis Date: 12/18/2011 10:53:25 AM			
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-29777		*LCS*				Batch ID: **29777**		Analysis Date: 12/18/2011 11:27:34 AM			
Diesel Range Organics (DRO)	4.779	mg/L	1.0	5	0	95.6	74	157			
Sample ID: LCSD-29777		*LCSD*				Batch ID: **29777**		Analysis Date: 12/18/2011 12:01:41 PM			
Diesel Range Organics (DRO)	5.760	mg/L	1.0	5	0	115	74	157	18.6	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1112650-05A MSD		*MSD*				Batch ID: **R49801**		Analysis Date: 12/23/2011 11:40:54 PM			
Gasoline Range Organics (GRO)	2.870	mg/L	0.25	2.5	0	115	66.1	127	1.62	15.5	
Sample ID: 1112650-09A MSD		*MSD*				Batch ID: **R49819**		Analysis Date: 12/24/2011 4:41:00 PM			
Gasoline Range Organics (GRO)	3.016	mg/L	0.25	2.5	0.609	96.3	66.1	127	5.29	15.5	
Sample ID: 5ML-RB		*MBLK*				Batch ID: **R49801**		Analysis Date: 12/23/2011 12:36:10 PM			
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML-RB		*MBLK*				Batch ID: **R49819**		Analysis Date: 12/24/2011 3:14:28 PM			
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG LCS		*LCS*				Batch ID: **R49801**		Analysis Date: 12/23/2011 11:35:47 AM			
Gasoline Range Organics (GRO)	0.5752	mg/L	0.050	0.5	0	115	92.1	117			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R49819**		Analysis Date: 12/24/2011 2:16:39 PM			
Gasoline Range Organics (GRO)	0.5708	mg/L	0.050	0.5	0	114	92.1	117			
Sample ID: 1112650-05A MS		*MS*				Batch ID: **R49801**		Analysis Date: 12/23/2011 11:10:37 PM			
Gasoline Range Organics (GRO)	2.917	mg/L	0.25	2.5	0	117	66.1	127			
Sample ID: 1112650-09A MS		*MS*				Batch ID: **R49819**		Analysis Date: 12/24/2011 4:12:09 PM			
Gasoline Range Organics (GRO)	3.180	mg/L	0.25	2.5	0.609	103	66.1	127			

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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML-RB		*MBLK*				**Batch ID: R49801**		**Analysis Date: 12/23/2011 12:36:10 PM**			
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 5ML-RB		*MBLK*				**Batch ID: R49819**		**Analysis Date: 12/24/2011 3:14:28 PM**			
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				**Batch ID: R49801**		**Analysis Date: 12/23/2011 12:06:03 PM**			
Methyl tert-butyl ether (MTBE)	27.18	µg/L	2.5	20	0	136	44.7	148			
Benzene	21.12	µg/L	1.0	20	0	106	80	120			
Toluene	20.96	µg/L	1.0	20	0.148	104	80	120			
Ethylbenzene	20.38	µg/L	1.0	20	0.164	101	80	120			
Xylenes, Total	62.51	µg/L	2.0	60	0	104	78.6	121			
rimethylbenzene	19.94	µg/L	1.0	20	0.362	97.9	75.1	120			
imethylbenzene	20.17	µg/L	1.0	20	0.268	99.5	76.4	122			
Sample ID: 100NG BTEX LCS		*LCS*				**Batch ID: R49819**		**Analysis Date: 12/24/2011 2:45:33 PM**			
Methyl tert-butyl ether (MTBE)	19.33	µg/L	2.5	20	0.264	95.3	44.7	148			
Benzene	19.90	µg/L	1.0	20	0	99.5	80	120			
Toluene	19.67	µg/L	1.0	20	0.123	97.7	80	120			
Ethylbenzene	19.58	µg/L	1.0	20	0.1152	97.3	80	120			
Xylenes, Total	58.51	µg/L	2.0	60	0	97.5	78.6	121			
Method: EPA Method 8260B: VOLATILES											
Sample ID: mb-29783		*MBLK*				**Batch ID: 29783**		**Analysis Date: 12/19/2011 4:15:36 PM**			
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: lcs-29783		*LCS*				**Batch ID: 29783**		**Analysis Date: 12/19/2011 4:43:31 PM**			
Benzene	1.069	mg/Kg	0.050	1	0	107	70.7	123			
Toluene	0.9912	mg/Kg	0.050	1	0	99.1	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R49649**		**Analysis Date: 12/15/2011 10:31:40 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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
ct: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49649**		Analysis Date: 12/15/2011 10:31:40 AM			
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
[redacted]es, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49684**		Analysis Date: 12/16/2011 9:13:31 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49684**		Analysis Date: 12/16/2011 9:13:31 AM			
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49706**		Analysis Date: 12/19/2011 9:47:23 AM			

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
ct: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49706**		Analysis Date: 12/19/2011 9:47:23 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
ethane	ND	µg/L	2.0								
form	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49706**		Analysis Date: 12/19/2011 9:47:23 AM			
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b6		*MBLK*				Batch ID: **R49706**		Analysis Date: 12/19/2011 9:24:59 PM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*									
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
›ylbenzene	ND	µg/L	1.0								
›ropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*									

Batch ID: R49706 **Analysis Date:** 12/19/2011 9:24:59 PM

Batch ID: R49649 **Analysis Date:** 12/15/2011 11:27:30 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R49649**	Analysis Date:	12/15/2011 11:27:30 AM		
Benzene	20.48	µg/L	1.0	20	0	102	81.1	130			
Toluene	19.11	µg/L	1.0	20	0	95.5	82.3	122			
Chlorobenzene	20.29	µg/L	1.0	20	0	101	70	130			
1,1-Dichloroethene	21.28	µg/L	1.0	20	0	106	83.1	126			
Trichloroethene (TCE)	21.42	µg/L	1.0	20	0	107	67.4	137			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R49684**	Analysis Date:	12/16/2011 10:27:09 AM		
Benzene	22.87	µg/L	1.0	20	0	114	81.1	130			
Toluene	21.42	µg/L	1.0	20	0	107	82.3	122			
Chlorobenzene	21.25	µg/L	1.0	20	0	106	70	130			
1,1-Dichloroethene	23.52	µg/L	1.0	20	0	118	83.1	126			
Trichloroethene (TCE)	20.95	µg/L	1.0	20	0	105	67.4	137			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R49706**	Analysis Date:	12/19/2011 10:42:58 AM		
Benzene	19.68	µg/L	1.0	20	0	98.4	81.1	130			
Toluene	20.85	µg/L	1.0	20	0	104	82.3	122			
Chlorobenzene	21.26	µg/L	1.0	20	0	106	70	130			
1,1-Dichloroethene	20.23	µg/L	1.0	20	0	101	83.1	126			
Trichloroethene (TCE)	21.13	µg/L	1.0	20	0	106	67.4	137			
Sample ID: 100ng lcs-2		*LCS*				Batch ID:	**R49706**	Analysis Date:	12/19/2011 10:20:41 PM		
Benzene	20.83	µg/L	1.0	20	0	104	81.1	130			
Toluene	20.26	µg/L	1.0	20	0	101	82.3	122			
Chlorobenzene	20.01	µg/L	1.0	20	0	100	70	130			
1,1-Dichloroethene	21.29	µg/L	1.0	20	0	106	83.1	126			
Trichloroethene (TCE)	20.41	µg/L	1.0	20	0	102	67.4	137			

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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29823		*MBLK*									
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
[illegible]oaniline	ND	µg/L	10								
[illegible]onaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29823		*MBLK*				Batch ID:	**29823**	Analysis Date:	12/20/2011 10:56:50 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29823		*LCS*				Batch ID:	**29823**	Analysis Date:	12/20/2011 11:26:06 AM		
Acenaphthene	73.40	µg/L	10	100	0	73.4	37.7	119			
4-Chloro-3-methylphenol	154.3	µg/L	10	200	0	77.2	48.8	104			
2-Chlorophenol	146.9	µg/L	10	200	0	73.5	38.2	109			
1,4-Dichlorobenzene	68.06	µg/L	10	100	0	68.1	33.7	99.1			
2,4-Dinitrotoluene	84.86	µg/L	10	100	0	84.9	39.9	125			
N-Nitrosodi-n-propylamine	69.28	µg/L	10	100	0	69.3	43.8	95.1			
4-Nitrophenol	59.22	µg/L	10	200	0	29.6	21.7	68.6			
Pentachlorophenol	106.0	µg/L	20	200	0	53.0	26.7	107			
Phenol	86.14	µg/L	10	200	0	43.1	23.9	65.8			
Pyrene	81.84	µg/L	10	100	0	81.8	45.7	107			
1,2,4-Trichlorobenzene	64.54	µg/L	10	100	0	64.5	30.8	104			
Sample ID: lcsd-29823		*LCSD*				Batch ID:	**29823**	Analysis Date:	12/20/2011 11:55:17 AM		
Acenaphthene	63.34	µg/L	10	100	0	63.3	37.7	119	14.7	20	
4-Chloro-3-methylphenol	119.8	µg/L	10	200	0	59.9	48.8	104	25.2	20	R
2-Chlorophenol	113.3	µg/L	10	200	0	56.7	38.2	109	25.8	20	R
1,4-Dichlorobenzene	55.32	µg/L	10	100	0	55.3	33.7	99.1	20.7	20	R

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: 4th QTR 2011 Sampling **Work Order:** 1112650

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-29823		*LCSD*				Batch ID: **29823**		Analysis Date: 12/20/2011 11:55:17 AM			
2,4-Dinitrotoluene	74.12	µg/L	10	100	0	74.1	39.9	125	13.5	20	
N-Nitrosodi-n-propylamine	52.80	µg/L	10	100	0	52.8	43.8	95.1	27.0	20	R
4-Nitrophenol	62.34	µg/L	10	200	0	31.2	21.7	68.6	5.13	20	
Pentachlorophenol	107.1	µg/L	20	200	0	53.6	26.7	107	1.11	20	
Phenol	65.28	µg/L	10	200	0	32.6	23.9	65.8	27.6	20	R
Pyrene	71.66	µg/L	10	100	0	71.7	45.7	107	13.3	20	
1,2,4-Trichlorobenzene	54.36	µg/L	10	100	0	54.4	30.8	104	17.1	20	
Method: SM5210B: BOD											
Sample ID: MB-29770		*MBLK*				Batch ID: **29770**		Analysis Date: 12/20/2011 6:57:00 AM			
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-29770		*MBLK*				Batch ID: **29770**		Analysis Date: 12/20/2011 6:57:00 AM			
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-29770		*LCS*				Batch ID: **29770**		Analysis Date: 12/20/2011 6:57:00 AM			
Biochemical Oxygen Demand	188.8	mg/L	2.0	198	0	95.4	84.6	115.4			
Sample ID: LCSD-29770		*LCSD*				Batch ID: **29770**		Analysis Date: 12/20/2011 6:57:00 AM			
Biochemical Oxygen Demand	187.3	mg/L	2.0	198	0	94.6	84.6	115.4	0.798	20	

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: **12/14/2011**

Work Order Number **1112650** Received by: **AT**

Checklist completed by: Signature 12/14/11 Date — Sample ID labels checked by: MG Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑		
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐		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 ☐	13	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	(<2) >12 unless noted below.	
Container/Temp Blank temperature?	1.8°	<6° C Acceptable If given sufficient time to cool.			

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: 06F,07F - added 1mL H_2SO_4 for acceptable pH 12/15/11
08F - added 1mL HNO_3 for acceptable pH.
1112650-07A had a pH >2.0 for 8260 - 3 12/19/11
-07A pH >2 for 8015 GRO pH 12/20/11

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 4th QTR 2011 Sampling
Project #: Quarterly Sampling
Project Manager: Cheryl S Johnson
Sampler: Tom Fleener / GP
On Ice: ☐ No
Sample Temperature:

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	pH	RCRA 8 Metals, speciation, general chemistry, spec cond.	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) + Phenols	Air Bubbles (Y or N)
12/13/11	1141	GW	OW-29	3 VOA	HCl	1											X	
12/13/11	1350	GW	OW-13	3 VOA	HCl	2											X	
12/13/11	1430	GW	OW-14	3 VOA	HCl	3											X	
12/13/11	1700	GW	OW-52	Various	Various	4			X			X	X	X			X X	
			~~Pilot Effluent~~															
12/14/11	0755	GW	Pilot Eff.	Various	Various	5			X								X	
12/14/11	0740	GW	Infl to AL-1			6			X			X					X X	
12/14/11	0815	GW	Infl to AL-2			7			X			X					X X	
12/14/11	0830	GW	Infl to EP-1			8			X			X		X			X X	
12/14/11	0930	GW	NAPIS-2			9	X		X								X	
12/13/11	1330	Soil	NEOCDC Closure-4.5	3 jars	None	10				X					X			
/	/	W	Trip Blanks			11 10									X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/14/11	1450	(Grant Price)		12/14/11	1450
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: dissolved metals for Pilot Eff. will be delivered on Friday 12/16/11.
~~For tabs reports, please group wells as done in the past.~~ 1 1/2 1/2 50-8 1/2 Hawkins for 8270
12/15 11:29 45

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.

AT 12/16/11

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, January 17, 2012

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

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

RE: 4th QTR 2011 Sampling

Order No.: 1112742

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 12/16/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *17-Jan-12*

CLIENT: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling
Lab Order: 1112742

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 1112742-03A: pH>2

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-30
Lab Order: 1112742
Collection Date: 12/15/2011 8:20:00 AM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112742-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Benzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Toluene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Ethylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Methyl tert-butyl ether (MTBE)	1300	10		µg/L	10	12/21/2011 4:32:36 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Naphthalene	ND	2.0		µg/L	1	12/21/2011 3:37:16 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 3:37:16 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 3:37:16 PM
Acetone	ND	10		µg/L	1	12/21/2011 3:37:16 PM
Bromobenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Bromodichloromethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Bromoform	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Bromomethane	ND	3.0		µg/L	1	12/21/2011 3:37:16 PM
2-Butanone	ND	10		µg/L	1	12/21/2011 3:37:16 PM
Carbon disulfide	ND	10		µg/L	1	12/21/2011 3:37:16 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Chlorobenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Chloroethane	ND	2.0		µg/L	1	12/21/2011 3:37:16 PM
Chloroform	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Chloromethane	ND	3.0		µg/L	1	12/21/2011 3:37:16 PM
2-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
4-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
cis-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/21/2011 3:37:16 PM
Dibromochloromethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Dibromomethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/21/2011 3:37:16 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 3:37:16 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

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-30
Lab Order: 1112742
Collection Date: 12/15/2011 8:20:00 AM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112742-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Hexachlorobutadiene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
2-Hexanone	ND	10		µg/L	1	12/21/2011 3:37:16 PM
Isopropylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/21/2011 3:37:16 PM
Methylene Chloride	ND	3.0		µg/L	1	12/21/2011 3:37:16 PM
n-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
n-Propylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
sec-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Styrene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
tert-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/21/2011 3:37:16 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
trans-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/21/2011 3:37:16 PM
Vinyl chloride	ND	1.0		µg/L	1	12/21/2011 3:37:16 PM
Xylenes, Total	ND	1.5		µg/L	1	12/21/2011 3:37:16 PM
Surr: 1,2-Dichloroethane-d4	88.1	70-130		%REC	1	12/21/2011 3:37:16 PM
Surr: 4-Bromofluorobenzene	93.6	73-131		%REC	1	12/21/2011 3:37:16 PM
Surr: Dibromofluoromethane	98.0	70-130		%REC	1	12/21/2011 3:37:16 PM
Surr: Toluene-d8	84.1	70-130		%REC	1	12/21/2011 3:37:16 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: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: PW-2
Lab Order: 1112742
Collection Date: 12/15/2011 10:40:00 AM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112742-02
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	12/29/2011 10:47:40 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.014	0.0020		mg/L	1	12/30/2011 1:27:38 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 1:27:38 PM
Chromium	ND	0.0060		mg/L	1	12/30/2011 1:27:38 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 1:27:38 PM
Iron	0.23	0.020		mg/L	1	12/30/2011 1:27:38 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 1:27:38 PM
Manganese	0.0060	0.0020		mg/L	1	12/30/2011 1:27:38 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 1:27:38 PM
Zinc	0.053	0.010		mg/L	1	12/30/2011 1:27:38 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.12	0.0020		mg/L	1	12/22/2011 2:26:45 PM
Cadmium	ND	0.0020		mg/L	1	12/22/2011 2:26:45 PM
Chromium	ND	0.0060		mg/L	1	12/22/2011 2:26:45 PM
Copper	ND	0.0060		mg/L	1	12/22/2011 2:26:45 PM
Iron	0.74	0.020		mg/L	1	12/22/2011 2:26:45 PM
Lead	ND	0.0050		mg/L	1	12/22/2011 2:26:45 PM
Manganese	0.011	0.0020		mg/L	1	12/22/2011 2:26:45 PM
Silver	ND	0.0050		mg/L	1	12/22/2011 2:26:45 PM
Zinc	ND	0.010		mg/L	1	12/22/2011 2:26:45 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0027	0.0010		mg/L	1	12/27/2011 5:31:43 PM
Selenium	ND	0.0010		mg/L	1	12/28/2011 1:39:29 PM
Uranium	0.0019	0.0010		mg/L	1	12/28/2011 3:05:40 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0055	0.0025		mg/L	2.5	12/29/2011 4:09:25 PM
Selenium	ND	0.0025		mg/L	2.5	12/29/2011 4:09:25 PM
Uranium	ND	0.0025		mg/L	2.5	12/29/2011 4:09:25 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 1:57:35 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Acenaphthylene	ND	10		µg/L	1	12/20/2011 3:48:06 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

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** PW-2
Lab Order: 1112742 — **Collection Date:** 12/15/2011 10:40:00 AM
Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011
Lab ID: 1112742-02 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Aniline	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Anthracene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Azobenzene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Benz(a)anthracene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Benzo(a)pyrene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Benzoic acid	ND	20		µg/L	1	12/20/2011 3:48:06 PM
Benzyl alcohol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	12/20/2011 3:48:06 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Butyl benzyl phthalate	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Carbazole	ND	10		µg/L	1	12/20/2011 3:48:06 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
4-Chloroaniline	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2-Chloronaphthalene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2-Chlorophenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Chrysene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Di-n-butyl phthalate	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Di-n-octyl phthalate	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Dibenzofuran	ND	10		µg/L	1	12/20/2011 3:48:06 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Diethyl phthalate	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Dimethyl phthalate	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2,4-Dichlorophenol	ND	20		µg/L	1	12/20/2011 3:48:06 PM
2,4-Dimethylphenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	12/20/2011 3:48:06 PM
2,4-Dinitrophenol	ND	20		µg/L	1	12/20/2011 3:48:06 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Fluoranthene	ND	10		µg/L	1	12/20/2011 3:48:06 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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-2
Lab Order:	1112742	**Collection Date:**	12/15/2011 10:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluorene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Hexachlorobenzene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Hexachlorobutadiene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Hexachloroethane	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Isophorone	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
1-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2-Methylphenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
3+4-Methylphenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	12/20/2011 3:48:06 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	12/20/2011 3:48:06 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Naphthalene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2-Nitroaniline	ND	10		µg/L	1	12/20/2011 3:48:06 PM
3-Nitroaniline	ND	10		µg/L	1	12/20/2011 3:48:06 PM
4-Nitroaniline	ND	20		µg/L	1	12/20/2011 3:48:06 PM
Nitrobenzene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2-Nitrophenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
4-Nitrophenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Pentachlorophenol	ND	20		µg/L	1	12/20/2011 3:48:06 PM
Phenanthrene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Phenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Pyrene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Pyridine	ND	10		µg/L	1	12/20/2011 3:48:06 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	12/20/2011 3:48:06 PM
Surr: 2,4,6-Tribromophenol	77.0	18.1-138		%REC	1	12/20/2011 3:48:06 PM
Surr: 2-Fluorobiphenyl	80.4	25.9-101		%REC	1	12/20/2011 3:48:06 PM
Surr: 2-Fluorophenol	52.7	12.5-93.2		%REC	1	12/20/2011 3:48:06 PM
Surr: 4-Terphenyl-d14	83.0	29.5-112		%REC	1	12/20/2011 3:48:06 PM
Surr: Nitrobenzene-d5	85.5	20.5-120		%REC	1	12/20/2011 3:48:06 PM
Surr: Phenol-d5	37.2	11.3-73.2		%REC	1	12/20/2011 3:48:06 PM
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Toluene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Ethylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 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: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: PW-2

Lab Order: 1112742
Collection Date: 12/15/2011 10:40:00 AM

Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011

Lab ID: 1112742-02
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Naphthalene	ND	2.0		µg/L	1	12/21/2011 5:28:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 5:28:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 5:28:38 PM
Acetone	ND	10		µg/L	1	12/21/2011 5:28:38 PM
Bromobenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Bromoform	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Bromomethane	ND	3.0		µg/L	1	12/21/2011 5:28:38 PM
2-Butanone	ND	10		µg/L	1	12/21/2011 5:28:38 PM
Carbon disulfide	ND	10		µg/L	1	12/21/2011 5:28:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Chlorobenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Chloroethane	ND	2.0		µg/L	1	12/21/2011 5:28:38 PM
Chloroform	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Chloromethane	ND	3.0		µg/L	1	12/21/2011 5:28:38 PM
2-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/21/2011 5:28:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Dibromomethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/21/2011 5:28:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
2-Hexanone	ND	10		µg/L	1	12/21/2011 5:28:38 PM
Isopropylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-2
Lab Order:	1112742	**Collection Date:**	12/15/2011 10:40:00 AM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
4-Isopropyltoluene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/21/2011 5:28:38 PM
Methylene Chloride	ND	3.0		µg/L	1	12/21/2011 5:28:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Styrene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/21/2011 5:28:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/21/2011 5:28:38 PM
Vinyl chloride	ND	1.0		µg/L	1	12/21/2011 5:28:38 PM
Xylenes, Total	ND	1.5		µg/L	1	12/21/2011 5:28:38 PM
Surr: 1,2-Dichloroethane-d4	88.7	70-130		%REC	1	12/21/2011 5:28:38 PM
Surr: 4-Bromofluorobenzene	86.2	73-131		%REC	1	12/21/2011 5:28:38 PM
Surr: Dibromofluoromethane	99.5	70-130		%REC	1	12/21/2011 5:28:38 PM
Surr: Toluene-d8	89.2	70-130		%REC	1	12/21/2011 5:28:38 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: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup — **Client Sample ID:** OW-1

Lab Order: 1112742 — **Collection Date:** 12/15/2011 12:35:00 PM

Project: 4th QTR 2011 Sampling — **Date Received:** 12/16/2011

Lab ID: 1112742-03 — **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/19/2011 6:50:35 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 6:50:35 PM
Surr: DNOP	126	81.1-147		%REC	1	12/19/2011 6:50:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/24/2011 5:42:55 AM
Surr: BFB	93.0	69.3-120		%REC	1	12/24/2011 5:42:55 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	0.31	0.10		mg/L	1	12/17/2011 7:06:57 AM
Chloride	63	10		mg/L	20	12/29/2011 2:44:10 AM
Bromide	0.25	0.10		mg/L	1	12/17/2011 7:06:57 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	12/29/2011 11:05:05 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	12/29/2011 2:31:45 AM
Sulfate	180	10		mg/L	20	12/29/2011 2:44:10 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.018	0.0020		mg/L	1	12/30/2011 1:33:43 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 1:33:43 PM
Calcium	ND	5.0		mg/L	5	12/30/2011 1:36:46 PM
Chromium	ND	0.0060		mg/L	1	12/30/2011 1:33:43 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 1:33:43 PM
Iron	0.19	0.10		mg/L	5	12/30/2011 1:36:46 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 1:33:43 PM
Magnesium	ND	5.0		mg/L	5	12/30/2011 1:36:46 PM
Manganese	0.013	0.0020		mg/L	1	12/30/2011 1:33:43 PM
Potassium	ND	5.0		mg/L	5	12/30/2011 1:36:46 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 1:33:43 PM
Sodium	310	5.0		mg/L	5	12/30/2011 1:36:46 PM
Zinc	0.018	0.010		mg/L	1	12/30/2011 1:33:43 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.066	0.0020		mg/L	1	12/22/2011 2:38:09 PM
Cadmium	ND	0.0020		mg/L	1	12/22/2011 2:38:09 PM
Calcium	4.6	1.0		mg/L	1	12/22/2011 2:38:09 PM
Chromium	0.0072	0.0060		mg/L	1	12/22/2011 2:38:09 PM
Copper	ND	0.0060		mg/L	1	12/22/2011 2:38:09 PM
Iron	2.7	0.10		mg/L	5	12/22/2011 3:06:10 PM
Lead	ND	0.0050		mg/L	1	12/22/2011 2:38:09 PM
Magnesium	1.6	1.0		mg/L	1	12/22/2011 2:38:09 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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1112742	**Collection Date:**	12/15/2011 12:35:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Manganese	0.13	0.0020		mg/L	1	12/22/2011 2:38:09 PM
Potassium	1.3	1.0		mg/L	1	12/22/2011 2:38:09 PM
Silver	ND	0.0050		mg/L	1	12/22/2011 2:38:09 PM
Sodium	320	5.0		mg/L	5	12/22/2011 3:06:10 PM
Zinc	0.25	0.010		mg/L	1	12/22/2011 2:38:09 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	12/27/2011 5:35:48 PM
Selenium	0.0031	0.0010		mg/L	1	12/28/2011 1:41:30 PM
Uranium	0.043	0.0010		mg/L	1	12/28/2011 3:07:40 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	12/29/2011 4:11:26 PM
Selenium	0.0037	0.0025		mg/L	2.5	12/29/2011 4:11:26 PM
Uranium	0.046	0.0025		mg/L	2.5	12/29/2011 4:11:26 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:03:00 PM
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Benzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Toluene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Ethylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Naphthalene	ND	2.0		µg/L	1	12/21/2011 6:24:36 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 6:24:36 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 6:24:36 PM
Acetone	ND	10		µg/L	1	12/21/2011 6:24:36 PM
Bromobenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Bromodichloromethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Bromoform	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Bromomethane	ND	3.0		µg/L	1	12/21/2011 6:24:36 PM
2-Butanone	ND	10		µg/L	1	12/21/2011 6:24:36 PM
Carbon disulfide	ND	10		µg/L	1	12/21/2011 6:24:36 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Chlorobenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-1
Lab Order: 1112742
Collection Date: 12/15/2011 12:35:00 PM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112742-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Chloroethane	ND	2.0		µg/L	1	12/21/2011 6:24:36 PM
Chloroform	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Chloromethane	ND	3.0		µg/L	1	12/21/2011 6:24:36 PM
2-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
4-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
cis-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/21/2011 6:24:36 PM
Dibromochloromethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Dibromomethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/21/2011 6:24:36 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
2-Hexanone	ND	10		µg/L	1	12/21/2011 6:24:36 PM
Isopropylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/21/2011 6:24:36 PM
Methylene Chloride	ND	3.0		µg/L	1	12/21/2011 6:24:36 PM
n-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
n-Propylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
sec-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Styrene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
tert-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/21/2011 6:24:36 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
trans-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-1
Lab Order: 1112742
Collection Date: 12/15/2011 12:35:00 PM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112742-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/21/2011 6:24:36 PM
Vinyl chloride	ND	1.0		µg/L	1	12/21/2011 6:24:36 PM
Xylenes, Total	ND	1.5		µg/L	1	12/21/2011 6:24:36 PM
Surr: 1,2-Dichloroethane-d4	93.9	70-130		%REC	1	12/21/2011 6:24:36 PM
Surr: 4-Bromofluorobenzene	87.4	73-131		%REC	1	12/21/2011 6:24:36 PM
Surr: Dibromofluoromethane	97.8	70-130		%REC	1	12/21/2011 6:24:36 PM
Surr: Toluene-d8	90.0	70-130		%REC	1	12/21/2011 6:24:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-50
Lab Order: 1112742
Collection Date: 12/15/2011 2:25:00 PM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112742-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/19/2011 7:24:12 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 7:24:12 PM
Surr: DNOP	123	81.1-147		%REC	1	12/19/2011 7:24:12 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/24/2011 6:13:07 AM
Surr: BFB	85.3	69.3-120		%REC	1	12/24/2011 6:13:07 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	0.49	0.10		mg/L	1	12/17/2011 8:03:05 AM
Chloride	25	10		mg/L	20	12/29/2011 3:58:38 AM
Bromide	0.19	0.10		mg/L	1	12/17/2011 8:03:05 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	12/29/2011 11:22:30 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	12/29/2011 3:46:14 AM
Sulfate	140	10		mg/L	20	12/29/2011 3:58:38 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.040	0.0020		mg/L	1	12/30/2011 1:39:49 PM
Cadmium	ND	0.0020		mg/L	1	12/30/2011 1:39:49 PM
Calcium	22	5.0		mg/L	5	12/30/2011 1:42:58 PM
Chromium	ND	0.0060		mg/L	1	12/30/2011 1:39:49 PM
Copper	ND	0.0060		mg/L	1	12/30/2011 1:39:49 PM
Iron	ND	0.10		mg/L	5	12/30/2011 1:42:58 PM
Lead	ND	0.0050		mg/L	1	12/30/2011 1:39:49 PM
Magnesium	ND	5.0		mg/L	5	12/30/2011 1:42:58 PM
Manganese	0.079	0.0020		mg/L	1	12/30/2011 1:39:49 PM
Potassium	ND	5.0		mg/L	5	12/30/2011 1:42:58 PM
Silver	ND	0.0050		mg/L	1	12/30/2011 1:39:49 PM
Sodium	220	5.0		mg/L	5	12/30/2011 1:42:58 PM
Zinc	ND	0.010		mg/L	1	12/30/2011 1:39:49 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.070	0.0020		mg/L	1	12/22/2011 2:40:50 PM
Cadmium	ND	0.0020		mg/L	1	12/22/2011 2:40:50 PM
Calcium	23	1.0		mg/L	1	12/22/2011 2:40:50 PM
Chromium	ND	0.0060		mg/L	1	12/22/2011 2:40:50 PM
Copper	ND	0.0060		mg/L	1	12/22/2011 2:40:50 PM
Iron	0.51	0.020		mg/L	1	12/22/2011 2:40:50 PM
Lead	ND	0.0050		mg/L	1	12/22/2011 2:40:50 PM
Magnesium	4.3	1.0		mg/L	1	12/22/2011 2:40:50 PM

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- 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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1112742	**Collection Date:**	12/15/2011 2:25:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Manganese	0.095	0.0020		mg/L	1	12/22/2011 2:40:50 PM
Potassium	ND	1.0		mg/L	1	12/22/2011 2:40:50 PM
Silver	ND	0.0050		mg/L	1	12/22/2011 2:40:50 PM
Sodium	230	5.0		mg/L	5	12/22/2011 3:18:03 PM
Zinc	ND	0.010		mg/L	1	12/22/2011 2:40:50 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0018	0.0010		mg/L	1	12/27/2011 5:39:53 PM
Selenium	ND	0.0010		mg/L	1	12/28/2011 1:43:32 PM
Uranium	0.0081	0.0010		mg/L	1	12/28/2011 3:09:42 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	12/29/2011 4:13:27 PM
Selenium	ND	0.0025		mg/L	2.5	12/29/2011 4:13:27 PM
Uranium	0.0087	0.0025		mg/L	2.5	12/29/2011 4:13:27 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:08:19 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Acenaphthylene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Aniline	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Anthracene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Azobenzene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Benz(a)anthracene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Benzo(a)pyrene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Benzoic acid	ND	20		µg/L	1	12/20/2011 4:17:08 PM
Benzyl alcohol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	12/20/2011 4:17:08 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Butyl benzyl phthalate	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Carbazole	ND	10		µg/L	1	12/20/2011 4:17:08 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM

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- 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: *17-Jan-12*
Analytical Report

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: OW-50
Lab Order: 1112742
Collection Date: 12/15/2011 2:25:00 PM
Project: 4th QTR 2011 Sampling
Date Received: 12/16/2011
Lab ID: 1112742-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloroaniline	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2-Chloronaphthalene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2-Chlorophenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Chrysene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Di-n-butyl phthalate	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Di-n-octyl phthalate	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Dibenzofuran	ND	10		µg/L	1	12/20/2011 4:17:08 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Diethyl phthalate	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Dimethyl phthalate	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2,4-Dichlorophenol	ND	20		µg/L	1	12/20/2011 4:17:08 PM
2,4-Dimethylphenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	12/20/2011 4:17:08 PM
2,4-Dinitrophenol	ND	20		µg/L	1	12/20/2011 4:17:08 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Fluoranthene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Fluorene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Hexachlorobenzene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Hexachlorobutadiene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Hexachloroethane	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Isophorone	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
1-Methylnaphthalene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2-Methylphenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
3+4-Methylphenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	12/20/2011 4:17:08 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	12/20/2011 4:17:08 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Naphthalene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2-Nitroaniline	ND	10		µg/L	1	12/20/2011 4:17:08 PM
3-Nitroaniline	ND	10		µg/L	1	12/20/2011 4:17:08 PM
4-Nitroaniline	ND	20		µg/L	1	12/20/2011 4:17:08 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: *17-Jan-12*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1112742	**Collection Date:**	12/15/2011 2:25:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Nitrobenzene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2-Nitrophenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
4-Nitrophenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Pentachlorophenol	ND	20		µg/L	1	12/20/2011 4:17:08 PM
Phenanthrene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Phenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Pyrene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Pyridine	ND	10		µg/L	1	12/20/2011 4:17:08 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	12/20/2011 4:17:08 PM
Surr: 2,4,6-Tribromophenol	72.4	18.1-138		%REC	1	12/20/2011 4:17:08 PM
Surr: 2-Fluorobiphenyl	68.9	25.9-101		%REC	1	12/20/2011 4:17:08 PM
Surr: 2-Fluorophenol	52.2	12.5-93.2		%REC	1	12/20/2011 4:17:08 PM
Surr: 4-Terphenyl-d14	71.5	29.5-112		%REC	1	12/20/2011 4:17:08 PM
Surr: Nitrobenzene-d5	87.4	20.5-120		%REC	1	12/20/2011 4:17:08 PM
Surr: Phenol-d5	37.5	11.3-73.2		%REC	1	12/20/2011 4:17:08 PM
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Toluene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Ethylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Naphthalene	ND	10		µg/L	5	12/21/2011 7:48:22 PM
1-Methylnaphthalene	ND	20		µg/L	5	12/21/2011 7:48:22 PM
2-Methylnaphthalene	ND	20		µg/L	5	12/21/2011 7:48:22 PM
Acetone	ND	50		µg/L	5	12/21/2011 7:48:22 PM
Bromobenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Bromodichloromethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Bromoform	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Bromomethane	ND	15		µg/L	5	12/21/2011 7:48:22 PM
2-Butanone	ND	50		µg/L	5	12/21/2011 7:48:22 PM
Carbon disulfide	ND	50		µg/L	5	12/21/2011 7:48:22 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Chlorobenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Chloroethane	ND	10		µg/L	5	12/21/2011 7:48:22 PM

Qualifiers:

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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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1112742	**Collection Date:**	12/15/2011 2:25:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Chloroform	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Chloromethane	ND	15		µg/L	5	12/21/2011 7:48:22 PM
2-Chlorotoluene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
4-Chlorotoluene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
cis-1,2-DCE	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/21/2011 7:48:22 PM
Dibromochloromethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Dibromomethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
2,2-Dichloropropane	ND	10		µg/L	5	12/21/2011 7:48:22 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
2-Hexanone	ND	50		µg/L	5	12/21/2011 7:48:22 PM
Isopropylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/21/2011 7:48:22 PM
Methylene Chloride	ND	15		µg/L	5	12/21/2011 7:48:22 PM
n-Butylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
n-Propylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
sec-Butylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Styrene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
tert-Butylbenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/21/2011 7:48:22 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
trans-1,2-DCE	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/21/2011 7:48:22 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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1112742	**Collection Date:**	12/15/2011 2:25:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Trichlorofluoromethane	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/21/2011 7:48:22 PM
Vinyl chloride	ND	5.0		µg/L	5	12/21/2011 7:48:22 PM
Xylenes, Total	ND	7.5		µg/L	5	12/21/2011 7:48:22 PM
Surr: 1,2-Dichloroethane-d4	85.2	70-130		%REC	5	12/21/2011 7:48:22 PM
Surr: 4-Bromofluorobenzene	86.8	73-131		%REC	5	12/21/2011 7:48:22 PM
Surr: Dibromofluoromethane	93.3	70-130		%REC	5	12/21/2011 7:48:22 PM
Surr: Toluene-d8	84.1	70-130		%REC	5	12/21/2011 7:48:22 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: IC
Specific Conductance	1100	0.010		µmhos/cm	1	12/21/2011 4:17:00 PM
SM4500-H+B: PH						Analyst: IC
pH	8.29	0.100	H	pH units	1	12/21/2011 4:17:00 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
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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1112742	**Collection Date:**	12/15/2011 4:30:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/19/2011 7:58:21 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/19/2011 7:58:21 PM
Surr: DNOP	124	81.1-147		%REC	1	12/19/2011 7:58:21 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	0.084	0.050		mg/L	1	12/24/2011 6:43:14 AM
Surr: BFB	89.1	69.3-120		%REC	1	12/24/2011 6:43:14 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	0.31	0.10		mg/L	1	12/17/2011 7:18:11 AM
Chloride	420	25		mg/L	50	12/29/2011 3:32:25 PM
Bromide	0.54	0.10		mg/L	1	12/17/2011 7:18:11 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	12/29/2011 11:39:55 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	12/29/2011 3:21:24 AM
Sulfate	150	10		mg/L	20	12/29/2011 3:33:48 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.038	0.0020		mg/L	1	1/16/2012 2:23:19 PM
Cadmium	ND	0.0020		mg/L	1	1/16/2012 2:23:19 PM
Calcium	49	1.0		mg/L	1	1/16/2012 2:23:19 PM
Chromium	ND	0.0060		mg/L	1	1/16/2012 2:23:19 PM
Copper	ND	0.0060		mg/L	1	1/16/2012 2:23:19 PM
Iron	ND	0.020		mg/L	1	1/16/2012 2:23:19 PM
Lead	ND	0.0050		mg/L	1	1/16/2012 2:23:19 PM
Magnesium	6.9	1.0		mg/L	1	1/16/2012 2:23:19 PM
Manganese	0.023	0.0020		mg/L	1	1/16/2012 2:23:19 PM
Potassium	1.1	1.0		mg/L	1	1/16/2012 2:23:19 PM
Silver	ND	0.0050		mg/L	1	1/16/2012 2:23:19 PM
Sodium	430	5.0		mg/L	5	1/16/2012 2:26:31 PM
Zinc	ND	0.010		mg/L	1	1/16/2012 2:23:19 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.037	0.0020		mg/L	1	12/22/2011 2:44:04 PM
Cadmium	ND	0.0020		mg/L	1	12/22/2011 2:44:04 PM
Calcium	49	1.0		mg/L	1	12/22/2011 2:44:04 PM
Chromium	ND	0.0060		mg/L	1	12/22/2011 2:44:04 PM
Copper	ND	0.0060		mg/L	1	12/22/2011 2:44:04 PM
Iron	ND	0.020		mg/L	1	12/22/2011 2:44:04 PM
Lead	ND	0.0050		mg/L	1	12/22/2011 2:44:04 PM
Magnesium	7.0	1.0		mg/L	1	12/22/2011 2:44:04 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
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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1112742	**Collection Date:**	12/15/2011 4:30:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Manganese	0.022	0.0020		mg/L	1	12/22/2011 2:44:04 PM
Potassium	1.0	1.0		mg/L	1	12/22/2011 2:44:04 PM
Silver	ND	0.0050		mg/L	1	12/22/2011 2:44:04 PM
Sodium	470	10		mg/L	10	12/22/2011 3:22:45 PM
Zinc	ND	0.010		mg/L	1	12/22/2011 2:44:04 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.0010		mg/L	1	12/27/2011 5:44:01 PM
Selenium	0.0089	0.0010		mg/L	1	12/28/2011 1:45:33 PM
Uranium	0.056	0.0050		mg/L	5	12/28/2011 3:11:44 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	12/29/2011 4:15:29 PM
Selenium	0.0089	0.0025		mg/L	2.5	12/29/2011 4:15:29 PM
Uranium	0.058	0.0025		mg/L	2.5	12/29/2011 4:15:29 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	12/20/2011 2:10:06 PM
EPA METHOD 8260B: VOLATILES						Analyst: **JDJ**
Benzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Toluene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Ethylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Methyl tert-butyl ether (MTBE)	58	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Naphthalene	ND	2.0		µg/L	1	12/21/2011 8:45:35 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 8:45:35 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/21/2011 8:45:35 PM
Acetone	ND	10		µg/L	1	12/21/2011 8:45:35 PM
Bromobenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Bromodichloromethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Bromoform	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Bromomethane	ND	3.0		µg/L	1	12/21/2011 8:45:35 PM
2-Butanone	ND	10		µg/L	1	12/21/2011 8:45:35 PM
Carbon disulfide	ND	10		µg/L	1	12/21/2011 8:45:35 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Chlorobenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 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
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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1112742	**Collection Date:**	12/15/2011 4:30:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Chloroethane	ND	2.0		µg/L	1	12/21/2011 8:45:35 PM
Chloroform	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Chloromethane	ND	3.0		µg/L	1	12/21/2011 8:45:35 PM
2-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
4-Chlorotoluene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
cis-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/21/2011 8:45:35 PM
Dibromochloromethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Dibromomethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/21/2011 8:45:35 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
2-Hexanone	ND	10		µg/L	1	12/21/2011 8:45:35 PM
Isopropylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/21/2011 8:45:35 PM
Methylene Chloride	ND	3.0		µg/L	1	12/21/2011 8:45:35 PM
n-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
n-Propylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
sec-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Styrene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
tert-Butylbenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/21/2011 8:45:35 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
trans-1,2-DCE	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 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: *17-Jan-12*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1112742	**Collection Date:**	12/15/2011 4:30:00 PM
Project:	4th QTR 2011 Sampling	**Date Received:**	12/16/2011
Lab ID:	1112742-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/21/2011 8:45:35 PM
Vinyl chloride	ND	1.0		µg/L	1	12/21/2011 8:45:35 PM
Xylenes, Total	ND	1.5		µg/L	1	12/21/2011 8:45:35 PM
Surr: 1,2-Dichloroethane-d4	91.6	70-130		%REC	1	12/21/2011 8:45:35 PM
Surr: 4-Bromofluorobenzene	88.0	73-131		%REC	1	12/21/2011 8:45:35 PM
Surr: Dibromofluoromethane	98.0	70-130		%REC	1	12/21/2011 8:45:35 PM
Surr: Toluene-d8	89.7	70-130		%REC	1	12/21/2011 8:45:35 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

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111220025
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1112742
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111220025-001	**Sampling Date**	12/15/2011	**Date/Time Received**	12/20/2011 11:10 AM
Client Sample ID	1112742-02D / PW-2	**Sampling Time**	10:40 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	12/21/2011	CRW	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
ct: 4th QTR 2011 Sampling **Work Order:** 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-29832		*MBLK*				Batch ID:	29832	Analysis Date:	12/21/2011 1:15:04 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-29832		*LCS*				Batch ID:	29832	Analysis Date:	12/21/2011 1:17:57 PM		
Arsenic	0.5041	mg/L	0.020	0.5	0	101	85	115			
Barium	0.4900	mg/L	0.0020	0.5	0	98.0	85	115			
Cadmium	0.4942	mg/L	0.0020	0.5	0	98.8	85	115			
Calcium	51.50	mg/L	1.0	50	0	103	85	115			
[illegible]um	0.4876	mg/L	0.0060	0.5	0	97.5	85	115			
[illegible]	0.4905	mg/L	0.0060	0.5	0	98.1	85	115			
Iron	0.4852	mg/L	0.020	0.5	0	97.0	85	115			
Lead	0.4888	mg/L	0.0050	0.5	0	97.8	85	115			
Magnesium	53.13	mg/L	1.0	50	0.0066	106	85	115			
Manganese	0.4775	mg/L	0.0020	0.5	0	95.5	85	115			
Potassium	51.90	mg/L	1.0	50	0	104	85	115			
Selenium	0.4861	mg/L	0.050	0.5	0	97.2	85	115			
Silver	0.09994	mg/L	0.0050	0.1	0	99.9	85	115			
Sodium	52.60	mg/L	1.0	50	0	105	85	115			
Zinc	0.4770	mg/L	0.010	0.5	0.0014	95.1	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: R49876		Analysis Date: 12/30/2011 11:15:40 AM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: R49977		Analysis Date: 1/16/2012 2:17:48 PM			
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				Batch ID: R49876		Analysis Date: 12/30/2011 11:18:33 AM			
Barium	0.4901	mg/L	0.0020	0.5	0	98.0	85	115			
Cadmium	0.4959	mg/L	0.0020	0.5	0	99.2	85	115			
Calcium	52.46	mg/L	1.0	50	0	105	85	115			
Chromium	0.4931	mg/L	0.0060	0.5	0	98.6	85	115			
Copper	0.4869	mg/L	0.0060	0.5	0	97.4	85	115			
Iron	0.5008	mg/L	0.020	0.5	0	100	85	115			
Lead	0.4939	mg/L	0.0050	0.5	0	98.8	85	115			
Magnesium	53.11	mg/L	1.0	50	0.0031	106	85	115			
Manganese	0.4755	mg/L	0.0020	0.5	0	95.1	85	115			
Potassium	51.17	mg/L	1.0	50	0	102	85	115			
Silver	0.09724	mg/L	0.0050	0.1	0	97.2	85	115			
Sodium	51.61	mg/L	1.0	50	0	103	85	115			
Zinc	0.4875	mg/L	0.010	0.5	0	97.5	85	115			
Sample ID: LCS		*LCS*				Batch ID: R49977		Analysis Date: 1/16/2012 2:20:44 PM			
Barium	0.4959	mg/L	0.0020	0.5	0	99.2	85	115			
Cadmium	0.5023	mg/L	0.0020	0.5	0	100	85	115			

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: 4th QTR 2011 Sampling
Work Order: 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R49977**	Analysis Date:	1/16/2012 2:20:44 PM		
Calcium	50.81	mg/L	1.0	50	0	102	85	115			
Chromium	0.5004	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.4951	mg/L	0.0060	0.5	0	99.0	85	115			
Iron	0.4985	mg/L	0.020	0.5	0	99.7	85	115			
Lead	0.5007	mg/L	0.0050	0.5	0	100	85	115			
Magnesium	50.28	mg/L	1.0	50	0	101	85	115			
Manganese	0.4876	mg/L	0.0020	0.5	0	97.5	85	115			
Potassium	48.58	mg/L	1.0	50	0	97.2	85	115			
Silver	0.1003	mg/L	0.0050	0.1	0	100	85	115			
Sodium	49.54	mg/L	1.0	50	0	99.1	85	115			
Zinc	0.4919	mg/L	0.010	0.5	0	98.4	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 4:30:30 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:00:14 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:15:08 PM		
Arsenic	ND	mg/L	0.0010								
[illegible]m	ND	mg/L	0.0010								
[illegible]m	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:47:35 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:13:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 4:34:36 PM		
Arsenic	0.02519	mg/L	0.0010	0.025	0	101	85	115			
Selenium	0.02593	mg/L	0.0010	0.025	0	104	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:02:17 PM		
Arsenic	0.02392	mg/L	0.0010	0.025	0	95.7	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:17:10 PM		
Arsenic	0.02498	mg/L	0.0010	0.025	0	99.9	85	115			
Selenium	0.02613	mg/L	0.0010	0.025	0	105	85	115			
Uranium	0.02396	mg/L	0.0010	0.025	0	95.8	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:49:38 PM		
Arsenic	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Selenium	0.02578	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:15:48 PM		
Uranium	0.02490	mg/L	0.0010	0.025	0	99.6	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:00:14 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:47:35 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:13:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: MB-29832		*MBLK*				Batch ID:	**29832**	Analysis Date:	12/29/2011 4:05:22 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: LCS		*LCS*				Batch ID:	**R49830**	Analysis Date:	12/27/2011 6:02:17 PM		
Arsenic	0.02392	mg/L	0.0010	0.025	0	95.7	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 1:49:38 PM		
Arsenic	0.02476	mg/L	0.0010	0.025	0	99.1	85	115			
Selenium	0.02578	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49842**	Analysis Date:	12/28/2011 3:15:48 PM		
Uranium	0.02490	mg/L	0.0010	0.025	0	99.6	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: 1112742-02EMSD		*MSD*				Batch ID:	**29834**	Analysis Date:	12/20/2011 2:01:11 PM		
Mercury	0.005759	mg/L	0.00020	0.005	4E-05	114	75	125	0.493	20	
Sample ID: MB-29834		*MBLK*				Batch ID:	**29834**	Analysis Date:	12/20/2011 1:54:02 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29834		*LCS*				Batch ID:	**29834**	Analysis Date:	12/20/2011 1:55:49 PM		
Mercury	0.005699	mg/L	0.00020	0.005	3E-05	113	80	120			
Sample ID: 1112742-02EMS		*MS*				Batch ID:	**29834**	Analysis Date:	12/20/2011 1:59:23 PM		
Mercury	0.005731	mg/L	0.00020	0.005	4E-05	114	75	125			

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: 4th QTR 2011 Sampling
Work Order: 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1112742-05DMSD		*MSD*				Batch ID: **R49705**		Analysis Date:		12/17/2011 7:40:37 AM	
Fluoride	0.7793	mg/L	0.10	0.5	0.3093	94.0	72.9	113	8.31	20	
Bromide	2.812	mg/L	0.10	2.5	0.5403	90.9	76	114	12.4	20	
Sample ID: MB		*MBLK*				Batch ID: **R49705**		Analysis Date:		12/16/2011 1:08:47 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R49705**		Analysis Date:		12/17/2011 1:41:14 AM	
Fluoride	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Sample ID: MB		*MBLK*				Batch ID: **R49845**		Analysis Date:		12/28/2011 12:27:36 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
le ID: MB		*MBLK*				Batch ID: **R49866**		Analysis Date:		12/29/2011 2:57:36 PM	
e	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R49705**		Analysis Date:		12/16/2011 1:20:02 PM	
Fluoride	0.5176	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.908	mg/L	0.50	5	0	98.2	90	110			
Bromide	2.531	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.522	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.877	mg/L	0.50	5	0	97.5	90	110			
Sulfate	9.603	mg/L	0.50	10	0	96.0	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R49705**		Analysis Date:		12/17/2011 1:52:28 AM	
Fluoride	0.4912	mg/L	0.10	0.5	0	98.2	90	110			
Bromide	2.357	mg/L	0.10	2.5	0	94.3	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R49845**		Analysis Date:		12/28/2011 12:40:01 PM	
Fluoride	0.4958	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.815	mg/L	0.50	5	0	96.3	90	110			
Bromide	2.465	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.827	mg/L	0.50	5	0	96.5	90	110			
Sulfate	9.678	mg/L	0.50	10	0	96.8	90	110			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID: **R49866**		Analysis Date: 12/29/2011 3:15:00 PM			
Fluoride	0.5336	mg/L	0.10	0.5	0	107	90	110			
Chloride	4.794	mg/L	0.50	5	0	95.9	90	110			
Bromide	2.487	mg/L	0.10	2.5	0	99.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.459	mg/L	0.20	3.5	0	98.8	90	110			
Phosphorus, Orthophosphate (As P)	4.666	mg/L	0.50	5	0	93.3	90	110			
Sulfate	9.649	mg/L	0.50	10	0	96.5	90	110			
Sample ID: 1112742-05DMS		*MS*				Batch ID: **R49705**		Analysis Date: 12/17/2011 7:29:24 AM			
Fluoride	0.7171	mg/L	0.10	0.5	0.3093	81.6	72.9	113			
Bromide	2.483	mg/L	0.10	2.5	0.5403	77.7	76	114			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-29806		*MBLK*				Batch ID: **29806**		Analysis Date: 12/19/2011 5:07:39 PM			
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-29806		*LCS*				Batch ID: **29806**		Analysis Date: 12/19/2011 5:41:46 PM			
Diesel Range Organics (DRO)	5.059	mg/L	1.0	5	0	101	74	157			
Sample ID: LCSD-29806		*LCSD*				Batch ID: **29806**		Analysis Date: 12/19/2011 6:16:11 PM			
Diesel Range Organics (DRO)	4.960	mg/L	1.0	5	0	99.2	74	157	1.99	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		*MBLK*				Batch ID: **R49801**		Analysis Date: 12/23/2011 12:36:10 PM			
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG LCS		*LCS*				Batch ID: **R49801**		Analysis Date: 12/23/2011 11:35:47 AM			
Gasoline Range Organics (GRO)	0.5752	mg/L	0.050	0.5	0	115	92.1	117			

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
ct: 4th QTR 2011 Sampling **Work Order:** 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb *MBLK* Batch ID: R49762 Analysis Date: 12/21/2011 9:36:12 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	3.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
ethane	ND	µg/L	2.0
orm	ND	µg/L	1.0
Chloromethane	ND	µg/L	3.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: 4th QTR 2011 Sampling **Work Order:** 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R49762**		Analysis Date: 12/21/2011 9:36:12 AM			
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100NG LCS		*LCS*				Batch ID: **R49762**		Analysis Date: 12/21/2011 10:32:05 AM			
Benzene	21.43	µg/L	1.0	20	0	107	81.1	130			
Toluene	21.05	µg/L	1.0	20	0	105	82.3	122			
Chlorobenzene	20.31	µg/L	1.0	20	0	102	70	130			
1,1-Dichloroethene	21.62	µg/L	1.0	20	0	108	83.1	126			
Trichloroethene (TCE)	20.06	µg/L	1.0	20	0	100	67.4	137			

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: 4th QTR 2011 Sampling
Work Order: 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29823		*MBLK*									
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
onaphthalene	ND	µg/L	10								
rophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Batch ID: 29823 **Analysis Date:** 12/20/2011 10:56:50 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2011 Sampling **Work Order:** 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29823		*MBLK*				Batch ID:	**29823**	Analysis Date:	12/20/2011 10:56:50 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29823		*LCS*				Batch ID:	**29823**	Analysis Date:	12/20/2011 11:26:06 AM		
Acenaphthene	73.40	µg/L	10	100	0	73.4	37.7	119			
4-Chloro-3-methylphenol	154.3	µg/L	10	200	0	77.2	48.8	104			
2-Chlorophenol	146.9	µg/L	10	200	0	73.5	38.2	109			
1,4-Dichlorobenzene	68.06	µg/L	10	100	0	68.1	33.7	99.1			
2,4-Dinitrotoluene	84.86	µg/L	10	100	0	84.9	39.9	125			
N-Nitrosodi-n-propylamine	69.28	µg/L	10	100	0	69.3	43.8	95.1			
4-Nitrophenol	59.22	µg/L	10	200	0	29.6	21.7	68.6			
Pentachlorophenol	106.0	µg/L	20	200	0	53.0	26.7	107			
Phenol	86.14	µg/L	10	200	0	43.1	23.9	65.8			
Pyrene	81.84	µg/L	10	100	0	81.8	45.7	107			
1,2,4-Trichlorobenzene	64.54	µg/L	10	100	0	64.5	30.8	104			
Sample ID: lcsd-29823		*LCSD*				Batch ID:	**29823**	Analysis Date:	12/20/2011 11:55:17 AM		
Acenaphthene	63.34	µg/L	10	100	0	63.3	37.7	119	14.7	20	
4-Chloro-3-methylphenol	119.8	µg/L	10	200	0	59.9	48.8	104	25.2	20	R
2-Chlorophenol	113.3	µg/L	10	200	0	56.7	38.2	109	25.8	20	R
1,4-Dichlorobenzene	55.32	µg/L	10	100	0	55.3	33.7	99.1	20.7	20	R

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: 4th QTR 2011 Sampling
Work Order: 1112742

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-29823		*LCSD*				Batch ID:	**29823**	Analysis Date:		**12/20/2011 11:55:17 AM**	
2,4-Dinitrotoluene	74.12	µg/L	10	100	0	74.1	39.9	125	13.5	20	
N-Nitrosodi-n-propylamine	52.80	µg/L	10	100	0	52.8	43.8	95.1	27.0	20	R
4-Nitrophenol	62.34	µg/L	10	200	0	31.2	21.7	68.6	5.13	20	
Pentachlorophenol	107.1	µg/L	20	200	0	53.6	26.7	107	1.11	20	
Phenol	65.28	µg/L	10	200	0	32.6	23.9	65.8	27.6	20	R
Pyrene	71.66	µg/L	10	100	0	71.7	45.7	107	13.3	20	
1,2,4-Trichlorobenzene	54.36	µg/L	10	100	0	54.4	30.8	104	17.1	20	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
	Analyte detected below quantitation limits	NC	Non-Chlorinated
.	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: **12/16/2011**

Work Order Number **1112742** Received by: **AT**

Checklist completed by: Signature 12/16/11 Date Sample ID labels checked by: Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐				
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑			
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐				
Chain of custody present?	Yes ☑	No ☐					
Chain of custody signed when relinquished and received?	Yes ☑	No ☐					
Chain of custody agrees with sample labels?	Yes ☑	No ☐					
Samples in proper container/bottle?	Yes ☑	No ☐					
Sample containers intact?	Yes ☑	No ☐					
Sufficient sample volume for indicated test?	Yes ☑	No ☐					
All samples received within holding time?	Yes ☑	No ☐					
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐				
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐				
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐				

Number of preserved bottles checked for pH: 12

(<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: _____

1112742-03A pH>2 for 8015 GRO M 12/20/11

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN REFINING
GALLUP REFINERY
Mailing Address: RT3 BOX 7
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: 4TH QUARTER 2011 SAMPLING
Project #: QUARTERLY SAMPLING
Project Manager: CHERYL JOHNSON
Sampler: TOM FLEENER
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.0

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. 1112217	Analysis Request: 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,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) & PHENOLS	NITRATES + CYANIDE	WBCC METALS TOTAL	WBCC METALS DISSOL	MAJOR CATIONS / ANIONS	Air Bubbles (Y or N)
12/15	0820	GW	OW-30			-1	X															
	~~0900~~		~~PILOT EFFL~~ AT 12/16/11																			
12/17	~~0900~~		~~INFL TO EP-1~~	~~1L AMBER~~	~~NONE~~												X					
	1040		PW-2			-2	X										X	X	X	X		
	1235		OW-1			-3	X		X										X	X	X	
	1425		OW-50			-4	X		X								X		X	X	X	
	1630		OW-10			-5	X		X										X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/16/11	1040	Tom Fleener		12/16/11	1040
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Add pH to OW-50 per Grant 1/12/12

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

February 14, 2012

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-0231
FAX (505) 722-0210

RE: 4th Qtr 2011- Resample

OrderNo.: 1202026

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/1/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1202026**
Date Reported: **2/14/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS-2
Project: 4th Qtr 2011- Resample
Collection Date: 1/30/2012 2:20:00 PM
Lab ID: 1202026-001 **Matrix:** AQUEOUS **Received Date:** 2/1/2012 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	1.1	0.50		mg/L	5	2/1/2012 6:15:31 PM
Chloride	420	25		mg/L	50	2/6/2012 8:16:33 PM
Bromide	1.4	0.50		mg/L	5	2/1/2012 6:15:31 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/1/2012 6:15:31 PM
Sulfate	ND	2.5		mg/L	5	2/1/2012 6:15:31 PM
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/13/2012 5:15:18 PM
EPA METHOD 200.7: METALS						Analyst: **RAG**
Calcium	110	5.0		mg/L	1	2/6/2012 6:59:24 PM
Magnesium	23	5.0		mg/L	1	2/6/2012 6:59:24 PM
Potassium	ND	5.0		mg/L	1	2/6/2012 6:59:24 PM
Sodium	370	5.0		mg/L	1	2/6/2012 6:59:24 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **JLF**
Conductivity	2,200	0.010		µmhos/cm	1	2/1/2012 1:23:41 PM
SM4500-H+B: PH						Analyst: **JLF**
pH	7.12	1.68	H	pH units	1	2/1/2012 1:23:41 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS-1
Project: 4th Qtr 2011- Resample
Collection Date: 1/30/2012 2:40:00 PM
Lab ID: 1202026-002 **Matrix:** AQUEOUS **Received Date:** 2/1/2012 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Acenaphthylene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Aniline	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Anthracene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Azobenzene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Benz(a)anthracene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Benzo(a)pyrene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Benzoic acid	ND	20		µg/L	1	2/6/2012 6:00:29 PM
Benzyl alcohol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	2/6/2012 6:00:29 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Butyl benzyl phthalate	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Carbazole	ND	10		µg/L	1	2/6/2012 6:00:29 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
4-Chloroaniline	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2-Chloronaphthalene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2-Chlorophenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Chrysene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Di-n-butyl phthalate	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Di-n-octyl phthalate	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Dibenzofuran	ND	10		µg/L	1	2/6/2012 6:00:29 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Diethyl phthalate	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Dimethyl phthalate	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2,4-Dichlorophenol	ND	20		µg/L	1	2/6/2012 6:00:29 PM
2,4-Dimethylphenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	2/6/2012 6:00:29 PM
2,4-Dinitrophenol	ND	20		µg/L	1	2/6/2012 6:00:29 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Fluoranthene	ND	10		µg/L	1	2/6/2012 6:00:29 PM

Qualifiers:
- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS-1
Project: 4th Qtr 2011- Resample
Collection Date: 1/30/2012 2:40:00 PM
Lab ID: 1202026-002
Matrix: AQUEOUS
Received Date: 2/1/2012 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluorene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Hexachlorobenzene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Hexachlorobutadiene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Hexachloroethane	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Isophorone	ND	10		µg/L	1	2/6/2012 6:00:29 PM
1-Methylnaphthalene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2-Methylnaphthalene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2-Methylphenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
3+4-Methylphenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	2/6/2012 6:00:29 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	2/6/2012 6:00:29 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Naphthalene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2-Nitroaniline	ND	10		µg/L	1	2/6/2012 6:00:29 PM
3-Nitroaniline	ND	10		µg/L	1	2/6/2012 6:00:29 PM
4-Nitroaniline	ND	20		µg/L	1	2/6/2012 6:00:29 PM
Nitrobenzene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2-Nitrophenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
4-Nitrophenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Pentachlorophenol	ND	20		µg/L	1	2/6/2012 6:00:29 PM
Phenanthrene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Phenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Pyrene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Pyridine	ND	10		µg/L	1	2/6/2012 6:00:29 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	2/6/2012 6:00:29 PM
Surr: 2,4,6-Tribromophenol	69.2	18.1-138		%REC	1	2/6/2012 6:00:29 PM
Surr: 2-Fluorobiphenyl	77.9	25.9-101		%REC	1	2/6/2012 6:00:29 PM
Surr: 2-Fluorophenol	57.6	12.5-93.2		%REC	1	2/6/2012 6:00:29 PM
Surr: 4-Terphenyl-d14	67.8	29.5-112		%REC	1	2/6/2012 6:00:29 PM
Surr: Nitrobenzene-d5	77.5	20.5-120		%REC	1	2/6/2012 6:00:29 PM
Surr: Phenol-d5	45.4	11.5-73.2		%REC	1	2/6/2012 6:00:29 PM

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1202026**

all Environmental Analysis Laboratory, Inc.

14-Feb-12

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2011- Resample

Sample ID **MB-551**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Metals**
Client ID: **PBW**	Batch ID: **551**	RunNo: **801**
Prep Date: **2/2/2012**	Analysis Date: **2/6/2012**	SeqNo: **22793** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID **LCS-551**	SampType: **LCS**	TestCode: **EPA Method 200.7: Metals**
Client ID: **LCSW**	Batch ID: **551**	RunNo: **801**
Prep Date: **2/2/2012**	Analysis Date: **2/6/2012**	SeqNo: **22794** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	50	1.0	50.00	0	100	85	115			
Magnesium	50	1.0	50.00	0	99.1	85	115			
Potassium	48	1.0	50.00	0.07682	96.4	85	115			
Sodium	49	1.0	50.00	0	97.2	85	115			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1202026**

14-Feb-12

Client: Western Refining Southwest, Gallup

Project: 4th Qtr 2011- Resample

Sample ID **MB** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBW** Batch ID: **R714** RunNo: **714**

Prep Date: Analysis Date: **2/1/2012** SeqNo: **20364** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Bromide	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								
Sulfate	ND	0.50								

Sample ID **LCS** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSW** Batch ID: **R714** RunNo: **714**

Prep Date: Analysis Date: **2/1/2012** SeqNo: **20365** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.51	0.10	0.5000	0	102	90	110			
Bromide	2.5	0.10	2.500	0	100	90	110			
Phosphorus, Orthophosphate (As P	5.1	0.50	5.000	0	103	90	110			
Sulfate	10	0.50	10.00	0	101	90	110			

Sample ID **1202019-001AMS** SampType: **MS** TestCode: **EPA Method 300.0: Anions**

Client ID: **BatchQC** Batch ID: **R714** RunNo: **714**

Prep Date: Analysis Date: **2/1/2012** SeqNo: **20367** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.98	0.10	0.5000	0.5085	93.6	72.9	113			
Bromide	2.0	0.10	2.500	0	81.0	76	114			
Phosphorus, Orthophosphate (As P	5.0	0.50	5.000	0	99.4	79.3	108			
Sulfate	38	0.50	10.00	27.51	105	80.5	119			

Sample ID **1202019-001AMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**

Client ID: **BatchQC** Batch ID: **R714** RunNo: **714**

Prep Date: Analysis Date: **2/1/2012** SeqNo: **20368** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.97	0.10	0.5000	0.5085	92.4	72.9	113	0.618	20	
Bromide	2.0	0.10	2.500	0	80.3	76	114	0.880	20	
Phosphorus, Orthophosphate (As P	5.0	0.50	5.000	0	99.7	79.3	108	0.352	20	
Sulfate	38	0.50	10.00	27.51	105	80.5	119	0.0722	20	

Sample ID **1202011-001AMS** SampType: **MS** TestCode: **EPA Method 300.0: Anions**

Client ID: **BatchQC** Batch ID: **R714** RunNo: **714**

Prep Date: Analysis Date: **2/1/2012** SeqNo: **20377** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.91	0.10	0.5000	0.4378	94.9	72.9	113			
Bromide	2.5	0.10	2.500	0	98.4	76	114			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1202026**

ll Environmental Analysis Laboratory, Inc.

14-Feb-12

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2011- Resample

Sample ID **1202011-001AMS** SampType: **MS** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R714** RunNo: **714**
Prep Date: Analysis Date: **2/1/2012** SeqNo: **20377** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus, Orthophosphate (As P	5.0	0.50	5.000	0	100	79.3	108			

Sample ID **1202011-001AMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R714** RunNo: **714**
Prep Date: Analysis Date: **2/1/2012** SeqNo: **20378** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.92	0.10	0.5000	0.4378	96.6	72.9	113	0.911	20	
Bromide	2.5	0.10	2.500	0	99.2	76	114	0.804	20	
Phosphorus, Orthophosphate (As P	5.1	0.50	5.000	0	102	79.3	108	1.47	20	

Sample ID **MB** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R796** RunNo: **796**
Prep Date: Analysis Date: **2/6/2012** SeqNo: **22634** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW** Batch ID: **R796** RunNo: **796**
Prep Date: Analysis Date: **2/6/2012** SeqNo: **22635** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.0	90	110			

Sample ID **1201763-004AMS** SampType: **MS** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R796** RunNo: **796**
Prep Date: Analysis Date: **2/6/2012** SeqNo: **22650** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	18	0.50	5.000	12.70	106	78	107			

Sample ID **1201763-004AMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R796** RunNo: **796**
Prep Date: Analysis Date: **2/6/2012** SeqNo: **22651** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	18	0.50	5.000	12.70	109	78	107	0.772	20	S

ifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1202026**

14-Feb-12

Client: Western Refining Southwest, Gallup

Project: 4th Qtr 2011- Resample

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R918**	RunNo: **918**							
Prep Date:	Analysis Date: **2/13/2012**	SeqNo: **26532**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R918**	RunNo: **918**							
Prep Date:	Analysis Date: **2/13/2012**	SeqNo: **26533**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.3	0.20	3.500	0	95.6	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R918**	RunNo: **918**							
Prep Date:	Analysis Date: **2/13/2012**	SeqNo: **26581**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R918**	RunNo: **918**							
Prep Date:	Analysis Date: **2/13/2012**	SeqNo: **26582**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.3	0.20	3.500	0	95.4	90	110			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1202026**

ll Environmental Analysis Laboratory, Inc.

14-Feb-12

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2011- Resample

Sample ID **mb-590**	SampType: **MBLK**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **PBW**	Batch ID: **590**	RunNo: **797**
Prep Date: **2/6/2012**	Analysis Date: **2/6/2012**	SeqNo: **22723** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	ND	10								
Acenaphthylene	ND	10								
Aniline	ND	10								
Anthracene	ND	10								
Azobenzene	ND	10								
Benz(a)anthracene	ND	10								
Benzo(a)pyrene	ND	10								
Benzo(b)fluoranthene	ND	10								
Benzo(g,h,i)perylene	ND	10								
Benzo(k)fluoranthene	ND	10								
Benzoic acid	ND	20								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	10								
Bis(2-chloroethyl)ether	ND	10								
Bis(2-chloroisopropyl)ether	ND	10								
Bis(2-ethylhexyl)phthalate	ND	10								
ıophenyl phenyl ether	ND	10								
enzyl phthalate	ND	10								
Carbazole	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
Chrysene	ND	10								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz(a,h)anthracene	ND	10								
Dibenzofuran	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
3,3´-Dichlorobenzidine	ND	10								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
2,4-Dichlorophenol	ND	20								
2,4-Dimethylphenol	ND	10								
4,6-Dinitro-2-methylphenol	ND	20								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	10								
2,6-Dinitrotoluene	ND	10								

ıfiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1202026**

14-Feb-12

Client: Western Refining Southwest, Gallup

Project: 4th Qtr 2011- Resample

Sample ID **mb-590**	SampType: **MBLK**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **PBW**	Batch ID: **590**	RunNo: **797**
Prep Date: **2/6/2012**	Analysis Date: **2/6/2012**	SeqNo: **22723** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoranthene	ND	10								
Fluorene	ND	10								
Hexachlorobenzene	ND	10								
Hexachlorobutadiene	ND	10								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	10								
Indeno(1,2,3-cd)pyrene	ND	10								
Isophorone	ND	10								
1-Methylnaphthalene	ND	10								
2-Methylnaphthalene	ND	10								
2-Methylphenol	ND	10								
3+4-Methylphenol	ND	10								
N-Nitrosodi-n-propylamine	ND	10								
N-Nitrosodimethylamine	ND	10								
N-Nitrosodiphenylamine	ND	10								
Naphthalene	ND	10								
2-Nitroaniline	ND	10								
3-Nitroaniline	ND	10								
4-Nitroaniline	ND	20								
Nitrobenzene	ND	10								
2-Nitrophenol	ND	10								
4-Nitrophenol	ND	10								
Pentachlorophenol	ND	20								
Phenanthrene	ND	10								
Phenol	ND	10								
Pyrene	ND	10								
Pyridine	ND	10								
1,2,4-Trichlorobenzene	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
Surr: 2,4,6-Tribromophenol	130		200.0		67.0	18.1	138			
Surr: 2-Fluorobiphenyl	62		100.0		61.9	25.9	101			
Surr: 2-Fluorophenol	100		200.0		50.5	12.5	93.2			
Surr: 4-Terphenyl-d14	68		100.0		67.9	29.5	112			
Surr: Nitrobenzene-d5	69		100.0		68.7	20.5	120			
Surr: Phenol-d5	80		200.0		40.0	11.5	73.2			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
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- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1202026**

ıll Environmental Analysis Laboratory, Inc.

14-Feb-12

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2011- Resample

Sample ID **lcs-590**	SampType: **LCS**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **LCSW**	Batch ID: **590**	RunNo: **797**
Prep Date: **2/6/2012**	Analysis Date: **2/6/2012**	SeqNo: **22724** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	52	10	100.0	0	51.5	37.7	119			
4-Chloro-3-methylphenol	120	10	200.0	0	57.9	48.8	104			
2-Chlorophenol	110	10	200.0	0	54.6	38.2	109			
1,4-Dichlorobenzene	47	10	100.0	0	47.1	33.7	99.1			
2,4-Dinitrotoluene	62	10	100.0	0	62.2	39.9	125			
N-Nitrosodi-n-propylamine	60	10	100.0	0	60.3	43.8	95.1			
4-Nitrophenol	74	10	200.0	0	36.9	21.7	68.6			
Pentachlorophenol	93	20	200.0	0	46.7	26.7	107			
Phenol	77	10	200.0	0	38.4	23.9	65.8			
Pyrene	52	10	100.0	0	52.4	45.7	107			
1,2,4-Trichlorobenzene	53	10	100.0	0	53.0	30.8	104			
Surr: 2,4,6-Tribromophenol	140		200.0		68.2	18.1	138			
Surr: 2-Fluorobiphenyl	64		100.0		63.9	25.9	101			
Surr: 2-Fluorophenol	93		200.0		46.6	12.5	93.2			
Surr: 4-Terphenyl-d14	60		100.0		60.3	29.5	112			
Surr: Nitrobenzene-d5	64		100.0		64.2	20.5	120			
r: Phenol-d5	79		200.0		39.4	11.5	73.2			

Sample ID **lcsd-590**	SampType: **LCSD**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **LCSS02**	Batch ID: **590**	RunNo: **797**
Prep Date: **2/6/2012**	Analysis Date: **2/6/2012**	SeqNo: **22725** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	53	10	100.0	0	53.4	37.7	119	3.51	20	
4-Chloro-3-methylphenol	110	10	200.0	0	57.3	48.8	104	0.973	20	
2-Chlorophenol	120	10	200.0	0	57.6	38.2	109	5.33	20	
1,4-Dichlorobenzene	47	10	100.0	0	46.9	33.7	99.1	0.468	20	
2,4-Dinitrotoluene	60	10	100.0	0	60.5	39.9	125	2.77	20	
N-Nitrosodi-n-propylamine	59	10	100.0	0	59.2	43.8	95.1	1.74	20	
4-Nitrophenol	72	10	200.0	0	36.2	21.7	68.6	1.80	20	
Pentachlorophenol	96	20	200.0	0	47.9	26.7	107	2.52	20	
Phenol	80	10	200.0	0	40.2	23.9	65.8	4.63	20	
Pyrene	55	10	100.0	0	54.8	45.7	107	4.48	20	
1,2,4-Trichlorobenzene	56	10	100.0	0	56.0	30.8	104	5.40	20	
Surr: 2,4,6-Tribromophenol	130		200.0		64.6	18.1	138	0	0	
Surr: 2-Fluorobiphenyl	57		100.0		57.4	25.9	101	0	0	
Surr: 2-Fluorophenol	95		200.0		47.7	12.5	93.2	0	0	
Surr: 4-Terphenyl-d14	60		100.0		60.1	29.5	112	0	0	
Surr: Nitrobenzene-d5	64		100.0		64.4	20.5	120	0	0	
Surr: Phenol-d5	80		200.0		40.1	11.5	73.2	0	0	

fiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1202026**

14-Feb-12

Client: Western Refining Southwest, Gallup

Project: 4th Qtr 2011- Resample

Sample ID **1201806-002a dup**	SampType: **DUP**			TestCode: **EPA 120.1: Specific Conductance**					
Client ID: **BatchQC**	Batch ID: **R708**			RunNo: **708**					
Prep Date:	Analysis Date: **2/1/2012**			SeqNo: **20228**		Units: **µmhos/cm**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Conductivity	720	0.010						0.166	20	

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1202026**

ll Environmental Analysis Laboratory, Inc.

14-Feb-12

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2011- Resample

Sample ID	**1201806-002a dup**	SampType: **DUP**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R708**		RunNo: **708**					
Prep Date:		Analysis Date: **2/1/2012**		SeqNo: **20234**		Units: **pH units**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.84	1.68						0		H

ifiers:

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J	Analyte detected below quantitation limits
R	RPD outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Western Refining Gallup Work Order Number: 1202026

Received by/date: AG 2/1/12

Logged By: Lindsay Mangin 2/1/2012 9:40:00 AM

Completed By: Lindsay Mangin 2/1/2012 12:23:51 PM

Reviewed By: 2/1/12

Chain of Custody

1.	Were seals intact?	Yes ✔	No	Not Present
2.	Is Chain of Custody complete?	Yes ✔	No	Not Present
3.	How was the sample delivered?	UPS		

Log In

4.	Coolers are present? (see 19. for cooler specific information)	Yes ✔	No	NA
5.	Was an attempt made to cool the samples?	Yes ✔	No	NA
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ✔	No	NA
7.	Sample(s) in proper container(s)?	Yes ✔	No	
8.	Sufficient sample volume for indicated test(s)?	Yes ✔	No	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ✔	No	
10.	Was preservative added to bottles?	Yes	No ✔	NA
11.	VOA vials have zero headspace?	Yes	No	No VOA Vials ✔
12.	Were any sample containers received broken?	Yes	No ✔	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No	# of preserved bottles checked for pH: 2
14.	Are matrices correctly identified on Chain of Custody?	Yes ✔	No	(<2 or >12 unless noted)
15.	Is it clear what analyses were requested?	Yes ✔	No	Adjusted?
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	Checked by:

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes	No	NA ✔

Person Notified: _____ Date: _____

By Whom: _____ Via: eMail Phone Fax In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks:

19. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Western Refining (Giant Refining)

Mailing Address: Rt 3 Box 4 Gallup, NM 87301

Phone #: 505-722-3833

email or Fax#: 505-863-0930

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 4th QTR 2011 - Resample

Project #: NAPIS-2, NAPIS-1

Project Manager: Cheryl Johnson

Sampler: C Johnson

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1202026	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) Phenols	GenChem				Air Bubbles (Y or N)
12/12	1420	AQ	NAPIS-2			-1												X				
12/12	1440		NAPIS-1			-2											X					

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/12	1115			2/1/12	9:40
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: GenChem: Cations, Anions, pH, Spec Cond.

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, June 15, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: Semi-Annual

Order No.: 1105893

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 14 sample(s) on 5/24/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1105893	**Collection Date:**	5/23/2011 10:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	590	20		mg/L	200	5/26/2011 2:42:12 PM
Chloride	200	25		mg/L	50	5/25/2011 3:50:42 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	5/25/2011 3:39:28 AM
Bromide	1.4	1.0		mg/L	10	5/26/2011 2:07:23 PM
Nitrogen, Nitrate (As N)	3.2	1.0		mg/L	10	5/25/2011 3:39:28 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	5/25/2011 3:39:28 AM
Sulfate	980	25		mg/L	50	5/25/2011 3:50:42 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.014	0.010		mg/L	5	6/7/2011 7:34:11 PM
Cadmium	ND	0.010		mg/L	5	6/7/2011 7:34:11 PM
Calcium	5.5	5.0		mg/L	5	6/8/2011 7:41:03 PM
Chromium	0.047	0.030		mg/L	5	6/7/2011 7:34:11 PM
Copper	ND	0.030		mg/L	5	6/7/2011 7:34:11 PM
Iron	15	1.0		mg/L	50	6/8/2011 5:50:26 PM
Lead	ND	0.025		mg/L	5	6/7/2011 7:34:11 PM
Magnesium	7.7	5.0		mg/L	5	6/8/2011 7:41:03 PM
Manganese	0.34	0.010		mg/L	5	6/8/2011 7:41:03 PM
Potassium	110	5.0		mg/L	5	6/8/2011 7:41:03 PM
Selenium	ND	0.25		mg/L	5	6/7/2011 7:34:11 PM
Silver	ND	0.025		mg/L	5	6/7/2011 7:34:11 PM
Sodium	910	50		mg/L	50	6/7/2011 6:13:56 PM
Zinc	0.13	0.050		mg/L	5	6/7/2011 7:34:11 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.077	0.0020		mg/L	1	6/2/2011 8:34:58 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 3:30:05 PM
Calcium	17	1.0		mg/L	1	6/6/2011 3:30:05 PM
Chromium	0.055	0.0060		mg/L	1	6/2/2011 8:34:58 PM
Copper	0.013	0.0060		mg/L	1	6/2/2011 8:34:58 PM
Iron	20	1.0		mg/L	50	6/6/2011 1:51:59 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 8:34:58 PM
Magnesium	8.2	1.0		mg/L	1	6/6/2011 3:30:05 PM
Manganese	0.36	0.0020		mg/L	1	6/6/2011 3:30:05 PM
Potassium	97	50		mg/L	50	6/6/2011 1:51:59 PM
Selenium	ND	0.050		mg/L	1	6/2/2011 8:34:58 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 8:34:58 PM
Sodium	900	50		mg/L	50	6/6/2011 1:51:59 PM
Zinc	0.23	0.010		mg/L	1	6/2/2011 8:34:58 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1105893	**Collection Date:**	5/23/2011 10:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.010		mg/L	10	6/6/2011 12:05:08 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 1:33:56 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.014	0.0025		mg/L	2.5	6/3/2011 3:49:39 PM
Uranium	ND	0.0025		mg/L	2.5	6/3/2011 3:49:39 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	0.0015	0.00020		mg/L	1	5/31/2011 1:11:40 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Acenaphthylene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Aniline	420	50		µg/L	1	5/26/2011 5:25:48 PM
Anthracene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Azobenzene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Benz(a)anthracene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Benzo(a)pyrene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Benzoic acid	ND	100		µg/L	1	5/26/2011 5:25:48 PM
Benzyl alcohol	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	5/26/2011 5:25:48 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Butyl benzyl phthalate	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Carbazole	ND	50		µg/L	1	5/26/2011 5:25:48 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	5/26/2011 5:25:48 PM
4-Chloroaniline	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2-Chloronaphthalene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2-Chlorophenol	ND	50		µg/L	1	5/26/2011 5:25:48 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Chrysene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Di-n-butyl phthalate	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Di-n-octyl phthalate	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Dibenzofuran	ND	50		µg/L	1	5/26/2011 5:25:48 PM

Qualifiers:

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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1105893	**Collection Date:**	5/23/2011 10:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Diethyl phthalate	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Dimethyl phthalate	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2,4-Dichlorophenol	ND	100		µg/L	1	5/26/2011 5:25:48 PM
2,4-Dimethylphenol	260	50		µg/L	1	5/26/2011 5:25:48 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	5/26/2011 5:25:48 PM
2,4-Dinitrophenol	ND	100		µg/L	1	5/26/2011 5:25:48 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Fluoranthene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Fluorene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Hexachlorobenzene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Hexachlorobutadiene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Hexachloroethane	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Isophorone	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2-Methylnaphthalene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2-Methylphenol	2000	500		µg/L	10	5/31/2011 12:04:40 PM
3+4-Methylphenol	3600	500		µg/L	10	5/31/2011 12:04:40 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	5/26/2011 5:25:48 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	5/26/2011 5:25:48 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Naphthalene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2-Nitroaniline	ND	50		µg/L	1	5/26/2011 5:25:48 PM
3-Nitroaniline	ND	50		µg/L	1	5/26/2011 5:25:48 PM
4-Nitroaniline	ND	100		µg/L	1	5/26/2011 5:25:48 PM
Nitrobenzene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2-Nitrophenol	ND	50		µg/L	1	5/26/2011 5:25:48 PM
4-Nitrophenol	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Pentachlorophenol	ND	100		µg/L	1	5/26/2011 5:25:48 PM
Phenanthrene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Phenol	6400	500		µg/L	10	5/31/2011 12:04:40 PM
Pyrene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Pyridine	ND	50		µg/L	1	5/26/2011 5:25:48 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	5/26/2011 5:25:48 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	5/26/2011 5:25:48 PM

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1105893	**Collection Date:**	5/23/2011 10:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2,4,6-Trichlorophenol	ND	50		µg/L	1	5/26/2011 5:25:48 PM
Surr: 2,4,6-Tribromophenol	93.3	14.4-140		%REC	1	5/26/2011 5:25:48 PM
Surr: 2-Fluorobiphenyl	79.8	31.2-116		%REC	1	5/26/2011 5:25:48 PM
Surr: 2-Fluorophenol	55.8	11.8-102		%REC	1	5/26/2011 5:25:48 PM
Surr: 4-Terphenyl-d14	74.9	19.1-132		%REC	1	5/26/2011 5:25:48 PM
Surr: Nitrobenzene-d5	85.4	21.3-126		%REC	1	5/26/2011 5:25:48 PM
Surr: Phenol-d5	51.5	13.7-82.2		%REC	1	5/26/2011 5:25:48 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Toluene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Naphthalene	ND	20		µg/L	10	5/27/2011 11:25:09 AM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 11:25:09 AM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 11:25:09 AM
Acetone	1800	1000		µg/L	100	5/26/2011 8:30:37 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Bromoform	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Bromomethane	ND	30		µg/L	10	5/27/2011 11:25:09 AM
2-Butanone	200	100		µg/L	10	5/27/2011 11:25:09 AM
Carbon disulfide	ND	100		µg/L	10	5/27/2011 11:25:09 AM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Chloroethane	ND	20		µg/L	10	5/27/2011 11:25:09 AM
Chloroform	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Chloromethane	ND	30		µg/L	10	5/27/2011 11:25:09 AM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 11:25:09 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 11:25:09 AM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Dibromomethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM

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Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1105893	**Collection Date:**	5/23/2011 10:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 11:25:09 AM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
2-Hexanone	ND	100		µg/L	10	5/27/2011 11:25:09 AM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 11:25:09 AM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 11:25:09 AM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Styrene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 11:25:09 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 11:25:09 AM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 11:25:09 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 11:25:09 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 11:25:09 AM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 11:25:09 AM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 11:25:09 AM
Surr: 1,2-Dichloroethane-d4	118	65.8-138		%REC	10	5/27/2011 11:25:09 AM
Surr: 4-Bromofluorobenzene	119	72.7-128		%REC	10	5/27/2011 11:25:09 AM
Surr: Dibromofluoromethane	116	69-135		%REC	10	5/27/2011 11:25:09 AM
Surr: Toluene-d8	110	86.1-134		%REC	10	5/27/2011 11:25:09 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1105893	**Collection Date:**	5/23/2011 10:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	6200	0.010		µmhos/cm	1	5/25/2011 5:05:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	5.49	0.100	H	pH units	1	5/25/2011 5:05:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	3290	100		mg/L	1	5/26/2011 10:16:00 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
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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:08:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	65	5.0		mg/L	50	5/26/2011 8:47:51 PM
Chloride	3700	250		mg/L	500	5/26/2011 9:05:16 PM
Bromide	1.3	1.0		mg/L	10	5/26/2011 7:20:48 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	5/31/2011 2:38:49 PM
Phosphorus, Orthophosphate (As P)	ND	25	H	mg/L	50	5/26/2011 8:47:51 PM
Sulfate	990	25		mg/L	50	5/25/2011 4:13:09 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.026	0.010		mg/L	5	6/8/2011 7:55:22 PM
Cadmium	ND	0.010		mg/L	5	6/8/2011 7:55:22 PM
Calcium	55	5.0		mg/L	5	6/8/2011 7:55:22 PM
Chromium	ND	0.030		mg/L	5	6/8/2011 7:55:22 PM
Copper	ND	0.030		mg/L	5	6/8/2011 7:55:22 PM
Iron	1.7	0.10		mg/L	5	6/8/2011 7:55:22 PM
Lead	ND	0.025		mg/L	5	6/8/2011 7:55:22 PM
Magnesium	78	5.0		mg/L	5	6/8/2011 7:55:22 PM
Manganese	0.33	0.010		mg/L	5	6/8/2011 7:55:22 PM
Potassium	140	5.0		mg/L	5	6/8/2011 7:55:22 PM
Selenium	ND	0.25		mg/L	5	6/8/2011 7:55:22 PM
Silver	ND	0.025		mg/L	5	6/8/2011 7:55:22 PM
Sodium	2600	100		mg/L	100	6/8/2011 5:53:35 PM
Zinc	ND	0.050		mg/L	5	6/8/2011 7:55:22 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.024	0.0020		mg/L	1	6/2/2011 8:39:23 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 3:35:24 PM
Calcium	68	1.0		mg/L	1	6/6/2011 3:35:24 PM
Chromium	0.024	0.0060		mg/L	1	6/2/2011 8:39:23 PM
Copper	ND	0.0060		mg/L	1	6/2/2011 8:39:23 PM
Iron	2.6	0.10		mg/L	5	6/6/2011 3:38:15 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 8:39:23 PM
Magnesium	70	1.0		mg/L	1	6/6/2011 3:35:24 PM
Manganese	0.33	0.0020		mg/L	1	6/6/2011 3:35:24 PM
Potassium	120	100		mg/L	100	6/6/2011 1:55:03 PM
Selenium	ND	0.050		mg/L	1	6/2/2011 8:39:23 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 8:39:23 PM
Sodium	2500	100		mg/L	100	6/6/2011 1:55:03 PM
Zinc	0.037	0.010		mg/L	1	6/2/2011 8:39:23 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:08:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						**Analyst: SNV**
Arsenic	0.014	0.010		mg/L	10	6/6/2011 12:08:51 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 1:37:39 PM
EPA 200.8: METALS						**Analyst: SNV**
Arsenic	0.014	0.0025		mg/L	2.5	6/3/2011 4:00:46 PM
Uranium	ND	0.0025		mg/L	2.5	6/3/2011 4:00:46 PM
EPA METHOD 245.1: MERCURY						**Analyst: ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:13:28 PM
EPA METHOD 8270C: SEMIVOLATILES						**Analyst: JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Aniline	270	200		µg/L	20	5/31/2011 12:34:27 PM
Anthracene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 1:24:16 PM
Benzyl alcohol	20	10		µg/L	1	5/26/2011 1:24:16 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Bis(2-ethylhexyl)phthalate	13	10		µg/L	1	5/26/2011 1:24:16 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Carbazole	ND	10		µg/L	1	5/26/2011 1:24:16 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 1:24:16 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 1:24:16 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Chrysene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 1:24:16 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:08:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 1:24:16 PM
2,4-Dimethylphenol	180	10		µg/L	1	5/26/2011 1:24:16 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 1:24:16 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 1:24:16 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Fluorene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Isophorone	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2-Methylphenol	1200	200		µg/L	20	5/31/2011 12:34:27 PM
3+4-Methylphenol	2500	200		µg/L	20	5/31/2011 12:34:27 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 1:24:16 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 1:24:16 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 1:24:16 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 1:24:16 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 1:24:16 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 1:24:16 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 1:24:16 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Phenol	2700	200		µg/L	20	5/31/2011 12:34:27 PM
Pyrene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Pyridine	ND	10		µg/L	1	5/26/2011 1:24:16 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 1:24:16 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 1:24:16 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:08:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 1:24:16 PM
Surr: 2,4,6-Tribromophenol	55.8	14.4-140		%REC	1	5/26/2011 1:24:16 PM
Surr: 2-Fluorobiphenyl	52.9	31.2-116		%REC	1	5/26/2011 1:24:16 PM
Surr: 2-Fluorophenol	18.4	11.8-102		%REC	1	5/26/2011 1:24:16 PM
Surr: 4-Terphenyl-d14	51.3	19.1-132		%REC	1	5/26/2011 1:24:16 PM
Surr: Nitrobenzene-d5	72.4	21.3-126		%REC	1	5/26/2011 1:24:16 PM
Surr: Phenol-d5	33.5	13.7-82.2		%REC	1	5/26/2011 1:24:16 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Toluene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Naphthalene	ND	20		µg/L	10	5/27/2011 11:51:06 AM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 11:51:06 AM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 11:51:06 AM
Acetone	ND	100		µg/L	10	5/27/2011 11:51:06 AM
Bromobenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Bromoform	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Bromomethane	ND	30		µg/L	10	5/27/2011 11:51:06 AM
2-Butanone	ND	100		µg/L	10	5/27/2011 11:51:06 AM
Carbon disulfide	120	100		µg/L	10	5/27/2011 11:51:06 AM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Chloroethane	ND	20		µg/L	10	5/27/2011 11:51:06 AM
Chloroform	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Chloromethane	ND	30		µg/L	10	5/27/2011 11:51:06 AM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 11:51:06 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 11:51:06 AM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Dibromomethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM

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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:08:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 11:51:06 AM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
2-Hexanone	ND	100		µg/L	10	5/27/2011 11:51:06 AM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 11:51:06 AM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 11:51:06 AM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Styrene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 11:51:06 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 11:51:06 AM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 11:51:06 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 11:51:06 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 11:51:06 AM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 11:51:06 AM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 11:51:06 AM
Surr: 1,2-Dichloroethane-d4	119	65.8-138		%REC	10	5/27/2011 11:51:06 AM
Surr: 4-Bromofluorobenzene	106	72.7-128		%REC	10	5/27/2011 11:51:06 AM
Surr: Dibromofluoromethane	106	69-135		%REC	10	5/27/2011 11:51:06 AM
Surr: Toluene-d8	104	86.1-134		%REC	10	5/27/2011 11:51:06 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:08:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	18000	0.50		µmhos/cm	50	5/25/2011 8:20:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	7.84	0.100	H	pH units	1	5/25/2011 5:14:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	7900	200		mg/L	1	5/26/2011 10:16:00 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:33:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	18	2.0		mg/L	20	5/26/2011 2:59:36 PM
Chloride	6500	250		mg/L	500	5/26/2011 3:17:01 PM
Bromide	2.1	0.50		mg/L	5	5/26/2011 3:34:26 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	6/2/2011 12:27:20 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	5/26/2011 3:34:26 PM
Sulfate	1300	25		mg/L	50	5/26/2011 7:03:23 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.11	0.010		mg/L	5	6/7/2011 7:46:48 PM
Cadmium	ND	0.010		mg/L	5	6/7/2011 7:46:48 PM
Calcium	200	5.0		mg/L	5	6/8/2011 7:59:02 PM
Chromium	ND	0.030		mg/L	5	6/7/2011 7:46:48 PM
Copper	ND	0.030		mg/L	5	6/7/2011 7:46:48 PM
Iron	0.13	0.10		mg/L	5	6/7/2011 7:46:48 PM
Lead	ND	0.025		mg/L	5	6/7/2011 7:46:48 PM
Magnesium	110	5.0		mg/L	5	6/8/2011 7:59:02 PM
Manganese	0.13	0.010		mg/L	5	6/8/2011 7:59:02 PM
Potassium	96	5.0		mg/L	5	6/8/2011 7:59:02 PM
Selenium	ND	0.25		mg/L	5	6/7/2011 7:46:48 PM
Silver	ND	0.025		mg/L	5	6/7/2011 7:46:48 PM
Sodium	3200	100		mg/L	100	6/7/2011 6:36:24 PM
Zinc	ND	0.050		mg/L	5	6/7/2011 7:46:48 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.12	0.0020		mg/L	1	6/2/2011 8:41:56 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 3:41:43 PM
Calcium	230	5.0		mg/L	5	6/6/2011 3:46:37 PM
Chromium	0.019	0.0060		mg/L	1	6/2/2011 8:41:56 PM
Copper	ND	0.0060		mg/L	1	6/2/2011 8:41:56 PM
Iron	0.17	0.020		mg/L	1	6/2/2011 8:41:56 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 8:41:56 PM
Magnesium	110	5.0		mg/L	5	6/6/2011 3:46:37 PM
Manganese	0.14	0.0020		mg/L	1	6/6/2011 3:41:43 PM
Potassium	98	10		mg/L	10	6/7/2011 4:43:14 PM
Selenium	ND	0.050		mg/L	1	6/2/2011 8:41:56 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 8:41:56 PM
Sodium	3300	100		mg/L	100	6/6/2011 1:58:05 PM
Zinc	0.010	0.010		mg/L	1	6/2/2011 8:41:56 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:33:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.016	0.010		mg/L	10	6/6/2011 12:19:58 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 1:41:22 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.020	0.0050		mg/L	5	6/3/2011 4:04:28 PM
Uranium	ND	0.0050		mg/L	5	6/3/2011 4:04:28 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:15:16 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Aniline	69	10		µg/L	1	5/26/2011 11:20:59 AM
Anthracene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Azobenzene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Benzoic acid	ND	20		µg/L	1	5/26/2011 11:20:59 AM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Bis(2-ethylhexyl)phthalate	19	10		µg/L	1	5/26/2011 11:20:59 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Carbazole	ND	10		µg/L	1	5/26/2011 11:20:59 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 11:20:59 AM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 11:20:59 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Chrysene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 11:20:59 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:33:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 11:20:59 AM
2,4-Dimethylphenol	110	10		µg/L	1	5/26/2011 11:20:59 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 11:20:59 AM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 11:20:59 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Fluoranthene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Fluorene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Isophorone	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2-Methylphenol	560	100		µg/L	10	5/31/2011 1:04:30 PM
3+4-Methylphenol	1100	100		µg/L	10	5/31/2011 1:04:30 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 11:20:59 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 11:20:59 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Naphthalene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 11:20:59 AM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 11:20:59 AM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 11:20:59 AM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 11:20:59 AM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 11:20:59 AM
Phenanthrene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Phenol	1300	100		µg/L	10	5/31/2011 1:04:30 PM
Pyrene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Pyridine	ND	10		µg/L	1	5/26/2011 11:20:59 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 11:20:59 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 11:20:59 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:33:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 11:20:59 AM
Surr: 2,4,6-Tribromophenol	80.7	14.4-140		%REC	1	5/26/2011 11:20:59 AM
Surr: 2-Fluorobiphenyl	64.0	31.2-116		%REC	1	5/26/2011 11:20:59 AM
Surr: 2-Fluorophenol	63.6	11.8-102		%REC	1	5/26/2011 11:20:59 AM
Surr: 4-Terphenyl-d14	72.8	19.1-132		%REC	1	5/26/2011 11:20:59 AM
Surr: Nitrobenzene-d5	78.5	21.3-126		%REC	1	5/26/2011 11:20:59 AM
Surr: Phenol-d5	56.3	13.7-82.2		%REC	1	5/26/2011 11:20:59 AM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Toluene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Naphthalene	ND	20		µg/L	10	5/27/2011 12:17:00 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:17:00 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:17:00 PM
Acetone	ND	100		µg/L	10	5/27/2011 12:17:00 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Bromoform	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Bromomethane	ND	30		µg/L	10	5/27/2011 12:17:00 PM
2-Butanone	ND	100		µg/L	10	5/27/2011 12:17:00 PM
Carbon disulfide	ND	100		µg/L	10	5/27/2011 12:17:00 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Chloroethane	ND	20		µg/L	10	5/27/2011 12:17:00 PM
Chloroform	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Chloromethane	ND	30		µg/L	10	5/27/2011 12:17:00 PM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:17:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 12:17:00 PM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Dibromomethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM

Qualifiers:

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- 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:33:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 12:17:00 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
2-Hexanone	ND	100		µg/L	10	5/27/2011 12:17:00 PM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 12:17:00 PM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 12:17:00 PM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Styrene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 12:17:00 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 12:17:00 PM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:17:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 12:17:00 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 12:17:00 PM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 12:17:00 PM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 12:17:00 PM
Surr: 1,2-Dichloroethane-d4	120	65.8-138		%REC	10	5/27/2011 12:17:00 PM
Surr: 4-Bromofluorobenzene	98.0	72.7-128		%REC	10	5/27/2011 12:17:00 PM
Surr: Dibromofluoromethane	121	69-135		%REC	10	5/27/2011 12:17:00 PM
Surr: Toluene-d8	109	86.1-134		%REC	10	5/27/2011 12:17:00 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:33:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	*23000*	*0.50*		*µmhos/cm*	*50*	*5/25/2011 8:24:00 PM*
SM4500-H+B: PH						Analyst: **LJB**
pH	7.83	0.100	H	pH units	1	5/25/2011 5:18:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	10500	200		mg/L	1	5/26/2011 10:16:00 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	19	2.0		mg/L	20	5/26/2011 5:53:43 PM
Chloride	57000	2500		mg/L	5000	5/26/2011 6:28:34 PM
Bromide	19	5.0		mg/L	50	5/26/2011 5:18:55 PM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	6/2/2011 1:01:02 AM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	5/26/2011 5:53:43 PM
Sulfate	7100	250		mg/L	500	5/26/2011 6:11:09 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.21	0.010		mg/L	5	6/7/2011 7:53:49 PM
Cadmium	ND	0.010		mg/L	5	6/7/2011 7:53:49 PM
Calcium	1300	500		mg/L	500	6/7/2011 6:39:36 PM
Chromium	ND	0.030		mg/L	5	6/7/2011 7:53:49 PM
Copper	ND	0.030		mg/L	5	6/7/2011 7:53:49 PM
Iron	ND	0.10		mg/L	5	6/7/2011 7:53:49 PM
Lead	ND	0.025		mg/L	5	6/7/2011 7:53:49 PM
Magnesium	1100	500		mg/L	500	6/7/2011 6:39:36 PM
Manganese	6.8	0.020		mg/L	10	6/8/2011 8:02:41 PM
Potassium	1100	500		mg/L	500	6/7/2011 6:39:36 PM
Selenium	ND	0.25		mg/L	5	6/7/2011 7:53:49 PM
Silver	ND	0.025		mg/L	5	6/7/2011 7:53:49 PM
Sodium	31000	500		mg/L	500	6/7/2011 6:39:36 PM
Zinc	ND	0.050		mg/L	5	6/7/2011 7:53:49 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.20	0.010		mg/L	5	6/6/2011 3:50:01 PM
Cadmium	ND	0.010		mg/L	5	6/6/2011 3:50:01 PM
Calcium	1200	50		mg/L	50	6/6/2011 2:01:04 PM
Chromium	ND	0.030		mg/L	5	6/6/2011 3:50:01 PM
Copper	ND	0.030		mg/L	5	6/7/2011 10:43:51 PM
Iron	0.18	0.10		mg/L	5	6/6/2011 3:50:01 PM
Lead	ND	0.025		mg/L	5	6/6/2011 3:50:01 PM
Magnesium	970	50		mg/L	50	6/6/2011 2:01:04 PM
Manganese	7.4	0.10		mg/L	50	6/6/2011 2:01:04 PM
Potassium	990	50		mg/L	50	6/6/2011 2:01:04 PM
Selenium	ND	0.25		mg/L	5	6/6/2011 3:50:01 PM
Silver	ND	0.025		mg/L	5	6/7/2011 10:43:51 PM
Sodium	33000	500		mg/L	500	6/7/2011 4:46:48 PM
Zinc	ND	0.050		mg/L	5	6/7/2011 10:43:51 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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: *15-Jun-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.083	0.010		mg/L	10	6/6/2011 12:23:41 PM
Uranium	ND	0.020		mg/L	20	6/7/2011 1:45:05 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.10	0.010		mg/L	10	6/3/2011 2:50:13 PM
Uranium	ND	0.010		mg/L	10	6/3/2011 2:50:13 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:20:46 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Acenaphthylene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Aniline	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Anthracene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Azobenzene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Benz(a)anthracene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Benzo(a)pyrene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Benzo(b)fluoranthene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Benzo(g,h,i)perylene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Benzo(k)fluoranthene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Benzoic acid	ND	40		µg/L	1	5/31/2011 11:05:36 AM
Benzyl alcohol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Bis(2-chloroethoxy)methane	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Bis(2-chloroethyl)ether	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Bis(2-chloroisopropyl)ether	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Bis(2-ethylhexyl)phthalate	22	20		µg/L	1	5/31/2011 11:05:36 AM
4-Bromophenyl phenyl ether	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Butyl benzyl phthalate	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Carbazole	ND	20		µg/L	1	5/31/2011 11:05:36 AM
4-Chloro-3-methylphenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
4-Chloroaniline	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2-Chloronaphthalene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2-Chlorophenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
4-Chlorophenyl phenyl ether	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Chrysene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Di-n-butyl phthalate	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Di-n-octyl phthalate	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Dibenz(a,h)anthracene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Dibenzofuran	ND	20		µg/L	1	5/31/2011 11:05:36 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
1,3-Dichlorobenzene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
1,4-Dichlorobenzene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
3,3'-Dichlorobenzidine	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Diethyl phthalate	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Dimethyl phthalate	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2,4-Dichlorophenol	ND	40		µg/L	1	5/31/2011 11:05:36 AM
2,4-Dimethylphenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
4,6-Dinitro-2-methylphenol	ND	40		µg/L	1	5/31/2011 11:05:36 AM
2,4-Dinitrophenol	ND	40		µg/L	1	5/31/2011 11:05:36 AM
2,4-Dinitrotoluene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2,6-Dinitrotoluene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Fluoranthene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Fluorene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Hexachlorobenzene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Hexachlorobutadiene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Hexachlorocyclopentadiene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Hexachloroethane	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Indeno(1,2,3-cd)pyrene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Isophorone	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2-Methylnaphthalene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2-Methylphenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
3+4-Methylphenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
N-Nitrosodi-n-propylamine	ND	20		µg/L	1	5/31/2011 11:05:36 AM
N-Nitrosodimethylamine	ND	20		µg/L	1	5/31/2011 11:05:36 AM
N-Nitrosodiphenylamine	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Naphthalene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2-Nitroaniline	ND	20		µg/L	1	5/31/2011 11:05:36 AM
3-Nitroaniline	ND	20		µg/L	1	5/31/2011 11:05:36 AM
4-Nitroaniline	ND	40		µg/L	1	5/31/2011 11:05:36 AM
Nitrobenzene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2-Nitrophenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
4-Nitrophenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Pentachlorophenol	ND	40		µg/L	1	5/31/2011 11:05:36 AM
Phenanthrene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Phenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Pyrene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Pyridine	ND	20		µg/L	1	5/31/2011 11:05:36 AM
1,2,4-Trichlorobenzene	ND	20		µg/L	1	5/31/2011 11:05:36 AM
2,4,5-Trichlorophenol	ND	20		µg/L	1	5/31/2011 11:05:36 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4,6-Trichlorophenol	ND	20		µg/L	1	5/31/2011 11:05:36 AM
Surr: 2,4,6-Tribromophenol	88.9	14.4-140		%REC	1	5/31/2011 11:05:36 AM
Surr: 2-Fluorobiphenyl	89.4	31.2-116		%REC	1	5/31/2011 11:05:36 AM
Surr: 2-Fluorophenol	64.6	11.8-102		%REC	1	5/31/2011 11:05:36 AM
Surr: 4-Terphenyl-d14	61.2	19.1-132		%REC	1	5/31/2011 11:05:36 AM
Surr: Nitrobenzene-d5	87.6	21.3-126		%REC	1	5/31/2011 11:05:36 AM
Surr: Phenol-d5	64.2	13.7-82.2		%REC	1	5/31/2011 11:05:36 AM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Toluene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Ethylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Naphthalene	ND	20		µg/L	10	5/26/2011 11:08:12 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/26/2011 11:08:12 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/26/2011 11:08:12 PM
Acetone	ND	100		µg/L	10	5/26/2011 11:08:12 PM
Bromobenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Bromodichloromethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Bromoform	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Bromomethane	ND	30		µg/L	10	5/26/2011 11:08:12 PM
2-Butanone	ND	100		µg/L	10	5/26/2011 11:08:12 PM
Carbon disulfide	ND	100		µg/L	10	5/26/2011 11:08:12 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Chlorobenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Chloroethane	ND	20		µg/L	10	5/26/2011 11:08:12 PM
Chloroform	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Chloromethane	ND	30		µg/L	10	5/26/2011 11:08:12 PM
2-Chlorotoluene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
4-Chlorotoluene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
cis-1,2-DCE	ND	10		µg/L	10	5/26/2011 11:08:12 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/26/2011 11:08:12 PM
Dibromochloromethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Dibromomethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/26/2011 11:08:12 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/26/2011 11:08:12 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
2-Hexanone	ND	100		µg/L	10	5/26/2011 11:08:12 PM
Isopropylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/26/2011 11:08:12 PM
Methylene Chloride	ND	30		µg/L	10	5/26/2011 11:08:12 PM
n-Butylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
n-Propylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
sec-Butylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Styrene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
tert-Butylbenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/26/2011 11:08:12 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/26/2011 11:08:12 PM
trans-1,2-DCE	ND	10		µg/L	10	5/26/2011 11:08:12 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/26/2011 11:08:12 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/26/2011 11:08:12 PM
Vinyl chloride	ND	10		µg/L	10	5/26/2011 11:08:12 PM
Xylenes, Total	ND	15		µg/L	10	5/26/2011 11:08:12 PM
Surr: 1,2-Dichloroethane-d4	115	65.8-138		%REC	10	5/26/2011 11:08:12 PM
Surr: 4-Bromofluorobenzene	111	72.7-128		%REC	10	5/26/2011 11:08:12 PM
Surr: Dibromofluoromethane	110	69-135		%REC	10	5/26/2011 11:08:12 PM
Surr: Toluene-d8	116	86.1-134		%REC	10	5/26/2011 11:08:12 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1105893	**Collection Date:**	5/23/2011 11:50:00 AM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	190000	2.0		µmhos/cm	200	5/25/2011 8:28:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	7.57	0.100	H	pH units	1	5/25/2011 5:22:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	94100	1000		mg/L	1	5/26/2011 10:16:00 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
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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:31:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	43	5.0		mg/L	50	5/26/2011 10:14:55 PM
Chloride	170000	5000		mg/L	10000	6/8/2011 3:36:21 AM
Bromide	75	5.0		mg/L	50	5/26/2011 10:14:55 PM
Nitrate (As N)+Nitrite (As N)	ND	100		mg/L	500	6/2/2011 1:12:16 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	5/25/2011 5:43:00 AM
Sulfate	18000	500		mg/L	1000	5/26/2011 10:49:45 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.25	0.020		mg/L	10	6/8/2011 8:06:08 PM
Cadmium	ND	0.020		mg/L	10	6/8/2011 8:06:08 PM
Calcium	1000	10		mg/L	10	6/8/2011 8:06:08 PM
Chromium	ND	0.060		mg/L	10	6/8/2011 8:06:08 PM
Copper	ND	0.060		mg/L	10	6/8/2011 8:06:08 PM
Iron	ND	0.10		mg/L	5	6/7/2011 8:14:41 PM
Lead	ND	0.050		mg/L	10	6/8/2011 8:06:08 PM
Magnesium	3400	50		mg/L	50	6/9/2011 3:52:23 PM
Manganese	20	0.10		mg/L	50	6/9/2011 3:52:23 PM
Potassium	4400	50		mg/L	50	6/9/2011 3:52:23 PM
Selenium	ND	0.50		mg/L	10	6/8/2011 8:06:08 PM
Silver	ND	0.050		mg/L	10	6/8/2011 8:06:08 PM
Sodium	64000	5000		mg/L	5000	6/8/2011 5:56:46 PM
Zinc	ND	0.10		mg/L	10	6/8/2011 8:06:08 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.23	0.010		mg/L	5	6/6/2011 3:53:18 PM
Cadmium	ND	0.010		mg/L	5	6/6/2011 3:53:18 PM
Calcium	740	50		mg/L	50	6/6/2011 2:06:10 PM
Chromium	ND	0.030		mg/L	5	6/6/2011 3:53:18 PM
Copper	ND	0.060		mg/L	10	6/8/2011 4:22:31 PM
Iron	0.41	0.10		mg/L	5	6/6/2011 3:53:18 PM
Lead	ND	0.025		mg/L	5	6/6/2011 3:53:18 PM
Magnesium	3300	50		mg/L	50	6/6/2011 2:06:10 PM
Manganese	20	0.10		mg/L	50	6/6/2011 2:06:10 PM
Potassium	4300	50		mg/L	50	6/6/2011 2:06:10 PM
Selenium	ND	0.25		mg/L	5	6/6/2011 3:53:18 PM
Silver	ND	0.050		mg/L	10	6/8/2011 4:22:31 PM
Sodium	58000	1000		mg/L	1000	6/7/2011 4:50:00 PM
Zinc	0.10	0.10		mg/L	10	6/8/2011 4:22:31 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:31:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.38	0.020		mg/L	20	6/8/2011 4:05:09 PM
Uranium	ND	0.050		mg/L	50	6/7/2011 2:21:13 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.42	0.020		mg/L	20	6/3/2011 4:08:11 PM
Uranium	ND	0.0025		mg/L	2.5	6/6/2011 11:42:54 AM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:22:35 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Aniline	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Anthracene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 6:25:19 PM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/26/2011 6:25:19 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Carbazole	ND	10		µg/L	1	5/26/2011 6:25:19 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Chrysene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 6:25:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:31:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 6:25:19 PM
2,4-Dimethylphenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 6:25:19 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 6:25:19 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Fluorene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Isophorone	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2-Methylphenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
3+4-Methylphenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 6:25:19 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 6:25:19 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 6:25:19 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 6:25:19 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 6:25:19 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 6:25:19 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Phenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Pyrene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Pyridine	ND	10		µg/L	1	5/26/2011 6:25:19 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 6:25:19 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *15-Jun-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:31:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 6:25:19 PM
Surr: 2,4,6-Tribromophenol	21.2	14.4-140		%REC	1	5/26/2011 6:25:19 PM
Surr: 2-Fluorobiphenyl	42.6	31.2-116		%REC	1	5/26/2011 6:25:19 PM
Surr: 2-Fluorophenol	23.5	11.8-102		%REC	1	5/26/2011 6:25:19 PM
Surr: 4-Terphenyl-d14	28.5	19.1-132		%REC	1	5/26/2011 6:25:19 PM
Surr: Nitrobenzene-d5	52.4	21.3-126		%REC	1	5/26/2011 6:25:19 PM
Surr: Phenol-d5	24.0	13.7-82.2		%REC	1	5/26/2011 6:25:19 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Toluene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Naphthalene	ND	20		µg/L	10	5/27/2011 12:42:58 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:42:58 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:42:58 PM
Acetone	ND	100		µg/L	10	5/27/2011 12:42:58 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Bromoform	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Bromomethane	ND	30		µg/L	10	5/27/2011 12:42:58 PM
2-Butanone	ND	100		µg/L	10	5/27/2011 12:42:58 PM
Carbon disulfide	ND	100		µg/L	10	5/27/2011 12:42:58 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Chloroethane	ND	20		µg/L	10	5/27/2011 12:42:58 PM
Chloroform	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Chloromethane	ND	30		µg/L	10	5/27/2011 12:42:58 PM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:42:58 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 12:42:58 PM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Dibromomethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:31:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 12:42:58 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
2-Hexanone	ND	100		µg/L	10	5/27/2011 12:42:58 PM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 12:42:58 PM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 12:42:58 PM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Styrene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 12:42:58 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 12:42:58 PM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:42:58 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 12:42:58 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 12:42:58 PM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 12:42:58 PM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 12:42:58 PM
Surr: 1,2-Dichloroethane-d4	125	65.8-138		%REC	10	5/27/2011 12:42:58 PM
Surr: 4-Bromofluorobenzene	111	72.7-128		%REC	10	5/27/2011 12:42:58 PM
Surr: Dibromofluoromethane	122	69-135		%REC	10	5/27/2011 12:42:58 PM
Surr: Toluene-d8	101	86.1-134		%REC	10	5/27/2011 12:42:58 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: LJB

Qualifiers:

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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:31:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	370000	2.0		µmhos/cm	200	5/25/2011 8:32:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	6.83	0.100	H	pH units	1	5/25/2011 5:26:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	195000	1000		mg/L	1	5/26/2011 10:16:00 PM

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- E Estimated value
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:51:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	27	2.0		mg/L	20	5/26/2011 11:07:09 PM
Chloride	28000	2500		mg/L	5000	6/2/2011 4:30:26 PM
Bromide	16	2.0		mg/L	20	5/26/2011 11:07:09 PM
Nitrate (As N)+Nitrite (As N)	ND	100		mg/L	500	6/2/2011 1:34:44 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	5/25/2011 6:05:27 AM
Sulfate	8400	500		mg/L	1000	6/8/2011 2:09:17 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.13	0.010		mg/L	5	6/7/2011 8:21:39 PM
Cadmium	ND	0.010		mg/L	5	6/7/2011 8:21:39 PM
Calcium	1000	500		mg/L	500	6/7/2011 6:46:54 PM
Chromium	ND	0.030		mg/L	5	6/7/2011 8:21:39 PM
Copper	ND	0.030		mg/L	5	6/7/2011 8:21:39 PM
Iron	ND	0.10		mg/L	5	6/7/2011 8:21:39 PM
Lead	ND	0.025		mg/L	5	6/7/2011 8:21:39 PM
Magnesium	810	500		mg/L	500	6/7/2011 6:46:54 PM
Manganese	1.9	0.010		mg/L	5	6/8/2011 8:09:35 PM
Potassium	850	500		mg/L	500	6/7/2011 6:46:54 PM
Selenium	ND	0.25		mg/L	5	6/7/2011 8:21:39 PM
Silver	ND	0.025		mg/L	5	6/7/2011 8:21:39 PM
Sodium	20000	500		mg/L	500	6/7/2011 6:46:54 PM
Zinc	ND	0.050		mg/L	5	6/7/2011 8:21:39 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.13	0.010		mg/L	5	6/6/2011 3:56:44 PM
Cadmium	ND	0.010		mg/L	5	6/6/2011 3:56:44 PM
Calcium	1000	50		mg/L	50	6/6/2011 2:09:34 PM
Chromium	ND	0.030		mg/L	5	6/6/2011 3:56:44 PM
Copper	ND	0.030		mg/L	5	6/7/2011 10:50:48 PM
Iron	0.16	0.020		mg/L	1	6/2/2011 8:51:37 PM
Lead	ND	0.025		mg/L	5	6/6/2011 3:56:44 PM
Magnesium	730	50		mg/L	50	6/6/2011 2:09:34 PM
Manganese	2.5	0.010		mg/L	5	6/6/2011 3:56:44 PM
Potassium	680	50		mg/L	50	6/6/2011 2:09:34 PM
Selenium	ND	0.25		mg/L	5	6/6/2011 3:56:44 PM
Silver	ND	0.025		mg/L	5	6/7/2011 10:50:48 PM
Sodium	20000	500		mg/L	500	6/7/2011 4:53:12 PM
Zinc	ND	0.050		mg/L	5	6/7/2011 10:50:48 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:51:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.068	0.010		mg/L	10	6/6/2011 12:31:09 PM
Uranium	ND	0.010		mg/L	10	6/6/2011 12:31:09 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.079	0.010		mg/L	10	6/3/2011 3:01:22 PM
Uranium	ND	0.010		mg/L	10	6/3/2011 3:01:22 PM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:24:25 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Acenaphthylene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Aniline	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Anthracene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Azobenzene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Benz(a)anthracene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Benzo(a)pyrene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Benzoic acid	ND	20		µg/L	1	5/31/2011 11:35:06 AM
Benzyl alcohol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Bis(2-ethylhexyl)phthalate	19	10		µg/L	1	5/31/2011 11:35:06 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Butyl benzyl phthalate	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Carbazole	ND	10		µg/L	1	5/31/2011 11:35:06 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
4-Chloroaniline	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2-Chloronaphthalene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2-Chlorophenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Chrysene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Di-n-butyl phthalate	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Di-n-octyl phthalate	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Dibenzofuran	ND	10		µg/L	1	5/31/2011 11:35:06 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:51:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Diethyl phthalate	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Dimethyl phthalate	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2,4-Dichlorophenol	ND	20		µg/L	1	5/31/2011 11:35:06 AM
2,4-Dimethylphenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/31/2011 11:35:06 AM
2,4-Dinitrophenol	ND	20		µg/L	1	5/31/2011 11:35:06 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Fluoranthene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Fluorene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Hexachlorobenzene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Hexachlorobutadiene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Hexachloroethane	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Isophorone	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2-Methylnaphthalene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2-Methylphenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
3+4-Methylphenol	45	10		µg/L	1	5/31/2011 11:35:06 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/31/2011 11:35:06 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/31/2011 11:35:06 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Naphthalene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2-Nitroaniline	ND	10		µg/L	1	5/31/2011 11:35:06 AM
3-Nitroaniline	ND	10		µg/L	1	5/31/2011 11:35:06 AM
4-Nitroaniline	ND	20		µg/L	1	5/31/2011 11:35:06 AM
Nitrobenzene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2-Nitrophenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
4-Nitrophenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Pentachlorophenol	ND	20		µg/L	1	5/31/2011 11:35:06 AM
Phenanthrene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Phenol	170	10		µg/L	1	5/31/2011 11:35:06 AM
Pyrene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Pyridine	ND	10		µg/L	1	5/31/2011 11:35:06 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/31/2011 11:35:06 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM

Qualifiers:

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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:51:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/31/2011 11:35:06 AM
Surr: 2,4,6-Tribromophenol	65.5	14.4-140		%REC	1	5/31/2011 11:35:06 AM
Surr: 2-Fluorobiphenyl	34.1	31.2-116		%REC	1	5/31/2011 11:35:06 AM
Surr: 2-Fluorophenol	34.3	11.8-102		%REC	1	5/31/2011 11:35:06 AM
Surr: 4-Terphenyl-d14	40.8	19.1-132		%REC	1	5/31/2011 11:35:06 AM
Surr: Nitrobenzene-d5	35.9	21.3-126		%REC	1	5/31/2011 11:35:06 AM
Surr: Phenol-d5	41.1	13.7-82.2		%REC	1	5/31/2011 11:35:06 AM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Toluene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Naphthalene	ND	20		µg/L	10	5/27/2011 12:00:22 AM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:00:22 AM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:00:22 AM
Acetone	ND	100		µg/L	10	5/27/2011 12:00:22 AM
Bromobenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Bromoform	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Bromomethane	ND	30		µg/L	10	5/27/2011 12:00:22 AM
2-Butanone	ND	100		µg/L	10	5/27/2011 12:00:22 AM
Carbon disulfide	ND	100		µg/L	10	5/27/2011 12:00:22 AM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Chloroethane	ND	20		µg/L	10	5/27/2011 12:00:22 AM
Chloroform	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Chloromethane	ND	30		µg/L	10	5/27/2011 12:00:22 AM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:00:22 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 12:00:22 AM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Dibromomethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM

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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:51:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 12:00:22 AM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
2-Hexanone	ND	100		µg/L	10	5/27/2011 12:00:22 AM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 12:00:22 AM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 12:00:22 AM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Styrene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 12:00:22 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 12:00:22 AM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:00:22 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 12:00:22 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 12:00:22 AM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 12:00:22 AM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 12:00:22 AM
Surr: 1,2-Dichloroethane-d4	111	65.8-138		%REC	10	5/27/2011 12:00:22 AM
Surr: 4-Bromofluorobenzene	98.0	72.7-128		%REC	10	5/27/2011 12:00:22 AM
Surr: Dibromofluoromethane	120	69-135		%REC	10	5/27/2011 12:00:22 AM
Surr: Toluene-d8	101	86.1-134		%REC	10	5/27/2011 12:00:22 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

Qualifiers:

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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1105893	**Collection Date:**	5/23/2011 1:51:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	120000	2.0		µmhos/cm	200	5/25/2011 8:37:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	7.79	0.100	H	pH units	1	5/25/2011 5:35:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	61200	1000		mg/L	1	5/26/2011 10:16:00 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
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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:10:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	23	2.0		mg/L	20	5/27/2011 1:09:01 AM
Chloride	16000	500		mg/L	1000	5/27/2011 1:43:51 AM
Bromide	6.2	2.0		mg/L	20	5/27/2011 1:09:01 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	6/2/2011 1:57:12 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	5/25/2011 6:27:55 AM
Sulfate	3900	100		mg/L	200	5/27/2011 2:01:16 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.087	0.010		mg/L	5	6/7/2011 8:28:32 PM
Cadmium	ND	0.010		mg/L	5	6/7/2011 8:28:32 PM
Calcium	520	200		mg/L	200	6/7/2011 6:50:39 PM
Chromium	ND	0.030		mg/L	5	6/7/2011 8:28:32 PM
Copper	ND	0.030		mg/L	5	6/7/2011 8:28:32 PM
Iron	0.066	0.020		mg/L	1	6/7/2011 8:25:05 PM
Lead	ND	0.025		mg/L	5	6/7/2011 8:28:32 PM
Magnesium	350	5.0		mg/L	5	6/8/2011 8:13:02 PM
Manganese	0.89	0.010		mg/L	5	6/8/2011 8:13:02 PM
Potassium	330	5.0		mg/L	5	6/8/2011 8:13:02 PM
Selenium	ND	0.25		mg/L	5	6/7/2011 8:28:32 PM
Silver	ND	0.025		mg/L	5	6/7/2011 8:28:32 PM
Sodium	9700	200		mg/L	200	6/7/2011 6:50:39 PM
Zinc	ND	0.050		mg/L	5	6/7/2011 8:28:32 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.085	0.010		mg/L	5	6/6/2011 4:21:02 PM
Cadmium	ND	0.010		mg/L	5	6/6/2011 4:21:02 PM
Calcium	540	50		mg/L	50	6/6/2011 2:12:58 PM
Chromium	ND	0.030		mg/L	5	6/6/2011 4:21:02 PM
Copper	ND	0.030		mg/L	5	6/7/2011 10:54:13 PM
Iron	0.22	0.020		mg/L	1	6/2/2011 9:06:36 PM
Lead	ND	0.025		mg/L	5	6/6/2011 4:21:02 PM
Magnesium	340	50		mg/L	50	6/6/2011 2:12:58 PM
Manganese	0.90	0.010		mg/L	5	6/6/2011 4:21:02 PM
Potassium	290	50		mg/L	50	6/6/2011 2:12:58 PM
Selenium	ND	0.25		mg/L	5	6/6/2011 4:21:02 PM
Silver	ND	0.025		mg/L	5	6/7/2011 10:54:13 PM
Sodium	9600	200		mg/L	200	6/7/2011 5:18:21 PM
Zinc	ND	0.050		mg/L	5	6/7/2011 10:54:13 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:10:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						**Analyst: SNV**
Arsenic	0.055	0.010		mg/L	10	6/6/2011 12:38:34 PM
Uranium	ND	0.010		mg/L	10	6/6/2011 12:38:34 PM
EPA 200.8: METALS						**Analyst: SNV**
Arsenic	0.061	0.010		mg/L	10	6/3/2011 3:16:11 PM
Uranium	ND	0.010		mg/L	10	6/3/2011 3:16:11 PM
EPA METHOD 245.1: MERCURY						**Analyst: ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:26:17 PM
EPA METHOD 8270C: SEMIVOLATILES						**Analyst: JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Aniline	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Anthracene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 6:55:14 PM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Bis(2-ethylhexyl)phthalate	17	10		µg/L	1	5/26/2011 6:55:14 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Carbazole	ND	10		µg/L	1	5/26/2011 6:55:14 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 6:55:14 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 6:55:14 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Chrysene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 6:55:14 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:10:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 6:55:14 PM
2,4-Dimethylphenol	65	10		µg/L	1	5/26/2011 6:55:14 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 6:55:14 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 6:55:14 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Fluorene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Isophorone	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2-Methylphenol	420	100		µg/L	10	5/31/2011 1:34:41 PM
3+4-Methylphenol	1100	100		µg/L	10	5/31/2011 1:34:41 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 6:55:14 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 6:55:14 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 6:55:14 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 6:55:14 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 6:55:14 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 6:55:14 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 6:55:14 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Phenol	2100	100		µg/L	10	5/31/2011 1:34:41 PM
Pyrene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Pyridine	ND	10		µg/L	1	5/26/2011 6:55:14 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 6:55:14 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 6:55:14 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:10:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 6:55:14 PM
Surr: 2,4,6-Tribromophenol	65.4	14.4-140		%REC	1	5/26/2011 6:55:14 PM
Surr: 2-Fluorobiphenyl	41.7	31.2-116		%REC	1	5/26/2011 6:55:14 PM
Surr: 2-Fluorophenol	35.5	11.8-102		%REC	1	5/26/2011 6:55:14 PM
Surr: 4-Terphenyl-d14	45.0	19.1-132		%REC	1	5/26/2011 6:55:14 PM
Surr: Nitrobenzene-d5	43.0	21.3-126		%REC	1	5/26/2011 6:55:14 PM
Surr: Phenol-d5	40.8	13.7-82.2		%REC	1	5/26/2011 6:55:14 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Toluene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Naphthalene	ND	20		µg/L	10	5/27/2011 12:26:17 AM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:26:17 AM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 12:26:17 AM
Acetone	ND	100		µg/L	10	5/27/2011 12:26:17 AM
Bromobenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Bromoform	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Bromomethane	ND	30		µg/L	10	5/27/2011 12:26:17 AM
2-Butanone	ND	100		µg/L	10	5/27/2011 12:26:17 AM
Carbon disulfide	ND	100		µg/L	10	5/27/2011 12:26:17 AM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Chloroethane	ND	20		µg/L	10	5/27/2011 12:26:17 AM
Chloroform	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Chloromethane	ND	30		µg/L	10	5/27/2011 12:26:17 AM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:26:17 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 12:26:17 AM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Dibromomethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:26:17 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:10:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 12:26:17 AM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
2-Hexanone	ND	100		µg/L	10	5/27/2011 12:26:17 AM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 12:26:17 AM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 12:26:17 AM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Styrene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 12:26:17 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 12:26:17 AM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 12:26:17 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 12:26:17 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 12:26:17 AM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 12:26:17 AM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 12:26:17 AM
Surr: 1,2-Dichloroethane-d4	108	65.8-138		%REC	10	5/27/2011 12:26:17 AM
Surr: 4-Bromofluorobenzene	108	72.7-128		%REC	10	5/27/2011 12:26:17 AM
Surr: Dibromofluoromethane	104	69-135		%REC	10	5/27/2011 12:26:17 AM
Surr: Toluene-d8	117	86.1-134		%REC	10	5/27/2011 12:26:17 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:10:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	62000	2.0		µmhos/cm	200	5/25/2011 8:41:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	7.85	0.100	H	pH units	1	5/25/2011 5:39:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	29200	400		mg/L	1	5/26/2011 10:16:00 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	28	1.0		mg/L	10	5/25/2011 12:49:15 PM
Chloride	6400	500		mg/L	1000	6/8/2011 2:26:42 AM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	5/25/2011 12:04:20 PM
Bromide	2.5	1.0		mg/L	10	5/27/2011 2:18:40 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/25/2011 12:49:15 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	5/25/2011 12:49:15 PM
Sulfate	1400	25		mg/L	50	5/25/2011 12:04:20 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.063	0.0020		mg/L	1	6/7/2011 8:32:05 PM
Cadmium	ND	0.0020		mg/L	1	6/7/2011 8:32:05 PM
Calcium	190	5.0		mg/L	5	6/8/2011 8:20:08 PM
Chromium	0.021	0.0060		mg/L	1	6/7/2011 8:32:05 PM
Copper	ND	0.0060		mg/L	1	6/7/2011 8:32:05 PM
Iron	0.098	0.020		mg/L	1	6/7/2011 8:32:05 PM
Lead	ND	0.0050		mg/L	1	6/7/2011 8:32:05 PM
Magnesium	120	5.0		mg/L	5	6/8/2011 8:20:08 PM
Manganese	0.31	0.0020		mg/L	1	6/8/2011 8:16:41 PM
Potassium	140	5.0		mg/L	5	6/8/2011 8:20:08 PM
Selenium	ND	0.050		mg/L	1	6/7/2011 8:32:05 PM
Silver	ND	0.0050		mg/L	1	6/7/2011 8:32:05 PM
Sodium	4200	50		mg/L	50	6/7/2011 6:56:01 PM
Zinc	0.017	0.010		mg/L	1	6/7/2011 8:32:05 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.061	0.0020		mg/L	1	6/2/2011 9:09:51 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 4:24:26 PM
Calcium	200	50		mg/L	50	6/6/2011 2:16:16 PM
Chromium	0.020	0.0060		mg/L	1	6/2/2011 9:09:51 PM
Copper	ND	0.0060		mg/L	1	6/2/2011 9:09:51 PM
Iron	0.22	0.020		mg/L	1	6/2/2011 9:09:51 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 9:09:51 PM
Magnesium	120	50		mg/L	50	6/6/2011 2:16:16 PM
Manganese	0.32	0.0020		mg/L	1	6/6/2011 4:24:26 PM
Potassium	120	50		mg/L	50	6/6/2011 2:16:16 PM
Selenium	ND	0.050		mg/L	1	6/6/2011 4:24:26 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 9:09:51 PM
Sodium	3400	50		mg/L	50	6/6/2011 2:16:16 PM
Zinc	0.016	0.010		mg/L	1	6/2/2011 9:09:51 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.025	0.010		mg/L	10	6/6/2011 12:45:59 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 1:52:30 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.024	0.0025		mg/L	2.5	6/6/2011 11:46:37 AM
Uranium	ND	0.0025		mg/L	2.5	6/6/2011 11:46:37 AM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:28:08 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Aniline	140	100		µg/L	10	5/31/2011 4:32:57 PM
Anthracene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 7:25:04 PM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/26/2011 7:25:04 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Carbazole	ND	10		µg/L	1	5/26/2011 7:25:04 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 7:25:04 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 7:25:04 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Chrysene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 7:25:04 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 7:25:04 PM
2,4-Dimethylphenol	190	10		µg/L	1	5/26/2011 7:25:04 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 7:25:04 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 7:25:04 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Fluorene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Isophorone	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2-Methylphenol	1200	200		µg/L	20	5/31/2011 2:05:00 PM
3+4-Methylphenol	2700	200		µg/L	20	5/31/2011 2:05:00 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 7:25:04 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 7:25:04 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 7:25:04 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 7:25:04 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 7:25:04 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 7:25:04 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 7:25:04 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Phenol	3600	200		µg/L	20	5/31/2011 2:05:00 PM
Pyrene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Pyridine	ND	10		µg/L	1	5/26/2011 7:25:04 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 7:25:04 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 7:25:04 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 7:25:04 PM
Surr: 2,4,6-Tribromophenol	77.3	14.4-140		%REC	1	5/26/2011 7:25:04 PM
Surr: 2-Fluorobiphenyl	55.8	31.2-116		%REC	1	5/26/2011 7:25:04 PM
Surr: 2-Fluorophenol	37.6	11.8-102		%REC	1	5/26/2011 7:25:04 PM
Surr: 4-Terphenyl-d14	56.9	19.1-132		%REC	1	5/26/2011 7:25:04 PM
Surr: Nitrobenzene-d5	77.8	21.3-126		%REC	1	5/26/2011 7:25:04 PM
Surr: Phenol-d5	17.5	13.7-82.2		%REC	1	5/26/2011 7:25:04 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Toluene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Naphthalene	ND	20		µg/L	10	5/27/2011 1:08:56 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 1:08:56 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 1:08:56 PM
Acetone	ND	100		µg/L	10	5/27/2011 1:08:56 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Bromoform	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Bromomethane	ND	30		µg/L	10	5/27/2011 1:08:56 PM
2-Butanone	ND	100		µg/L	10	5/27/2011 1:08:56 PM
Carbon disulfide	100	100		µg/L	10	5/27/2011 1:08:56 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Chloroethane	ND	20		µg/L	10	5/27/2011 1:08:56 PM
Chloroform	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Chloromethane	ND	30		µg/L	10	5/27/2011 1:08:56 PM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 1:08:56 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 1:08:56 PM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Dibromomethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 1:08:56 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 1:08:56 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
2-Hexanone	ND	100		µg/L	10	5/27/2011 1:08:56 PM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 1:08:56 PM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 1:08:56 PM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Styrene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 1:08:56 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 1:08:56 PM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 1:08:56 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 1:08:56 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 1:08:56 PM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 1:08:56 PM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 1:08:56 PM
Surr: 1,2-Dichloroethane-d4	107	65.8-138		%REC	10	5/27/2011 1:08:56 PM
Surr: 4-Bromofluorobenzene	106	72.7-128		%REC	10	5/27/2011 1:08:56 PM
Surr: Dibromofluoromethane	115	69-135		%REC	10	5/27/2011 1:08:56 PM
Surr: Toluene-d8	124	86.1-134		%REC	10	5/27/2011 1:08:56 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: LJB

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	26000	0.50		µmhos/cm	50	5/25/2011 8:45:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.08	0.100	H	pH units	1	5/25/2011 5:43:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	13400	200		mg/L	1	5/26/2011 10:16:00 PM

Qualifiers:

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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:35:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	37	1.0		mg/L	10	5/25/2011 1:00:29 PM
Chloride	4800	250		mg/L	500	6/1/2011 8:38:20 AM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	5/25/2011 1:11:43 PM
Bromide	1.9	1.0		mg/L	10	5/27/2011 3:45:44 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/25/2011 1:00:29 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	5/27/2011 3:45:44 AM
Sulfate	1100	25		mg/L	50	5/25/2011 1:11:43 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.050	0.0020		mg/L	1	6/7/2011 8:40:34 PM
Cadmium	ND	0.0020		mg/L	1	6/7/2011 8:40:34 PM
Calcium	150	5.0		mg/L	5	6/8/2011 8:28:47 PM
Chromium	0.022	0.0060		mg/L	1	6/7/2011 8:40:34 PM
Copper	ND	0.0060		mg/L	1	6/7/2011 8:40:34 PM
Iron	0.27	0.020		mg/L	1	6/7/2011 8:40:34 PM
Lead	ND	0.0050		mg/L	1	6/7/2011 8:40:34 PM
Magnesium	110	5.0		mg/L	5	6/8/2011 8:28:47 PM
Manganese	0.27	0.0020		mg/L	1	6/8/2011 8:25:29 PM
Potassium	140	5.0		mg/L	5	6/8/2011 8:28:47 PM
Selenium	ND	0.050		mg/L	1	6/7/2011 8:40:34 PM
Silver	ND	0.0050		mg/L	1	6/7/2011 8:40:34 PM
Sodium	3100	50		mg/L	50	6/7/2011 6:59:20 PM
Zinc	0.019	0.010		mg/L	1	6/7/2011 8:40:34 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.050	0.0020		mg/L	1	6/2/2011 9:14:33 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 4:31:08 PM
Calcium	170	50		mg/L	50	6/6/2011 2:19:24 PM
Chromium	0.022	0.0060		mg/L	1	6/2/2011 9:14:33 PM
Copper	ND	0.0060		mg/L	1	6/2/2011 9:14:33 PM
Iron	0.59	0.020		mg/L	1	6/2/2011 9:14:33 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 9:14:33 PM
Magnesium	110	50		mg/L	50	6/6/2011 2:19:24 PM
Manganese	0.29	0.0020		mg/L	1	6/6/2011 4:31:08 PM
Potassium	130	50		mg/L	50	6/6/2011 2:19:24 PM
Selenium	ND	0.050		mg/L	1	6/6/2011 4:31:08 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 9:14:33 PM
Sodium	3100	50		mg/L	50	6/6/2011 2:19:24 PM
Zinc	0.020	0.010		mg/L	1	6/2/2011 9:14:33 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:35:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.015	0.010		mg/L	10	6/6/2011 1:06:54 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 1:56:13 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.016	0.0025		mg/L	2.5	6/6/2011 11:50:19 AM
Uranium	ND	0.0025		mg/L	2.5	6/6/2011 11:50:19 AM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:29:59 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Aniline	150	10		µg/L	1	5/26/2011 7:54:47 PM
Anthracene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 7:54:47 PM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/26/2011 7:54:47 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Carbazole	ND	10		µg/L	1	5/26/2011 7:54:47 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 7:54:47 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 7:54:47 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Chrysene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 7:54:47 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:35:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 7:54:47 PM
2,4-Dimethylphenol	190	10		µg/L	1	5/26/2011 7:54:47 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 7:54:47 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 7:54:47 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Fluorene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Isophorone	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2-Methylphenol	1100	100		µg/L	10	5/31/2011 2:34:48 PM
3+4-Methylphenol	2100	200		µg/L	20	5/31/2011 5:02:40 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 7:54:47 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 7:54:47 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 7:54:47 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 7:54:47 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 7:54:47 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 7:54:47 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 7:54:47 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Phenol	2100	100		µg/L	10	5/31/2011 2:34:48 PM
Pyrene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Pyridine	ND	10		µg/L	1	5/26/2011 7:54:47 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 7:54:47 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 7:54:47 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:35:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 7:54:47 PM
Surr: 2,4,6-Tribromophenol	50.4	14.4-140		%REC	1	5/26/2011 7:54:47 PM
Surr: 2-Fluorobiphenyl	44.2	31.2-116		%REC	1	5/26/2011 7:54:47 PM
Surr: 2-Fluorophenol	15.3	11.8-102		%REC	1	5/26/2011 7:54:47 PM
Surr: 4-Terphenyl-d14	48.3	19.1-132		%REC	1	5/26/2011 7:54:47 PM
Surr: Nitrobenzene-d5	52.9	21.3-126		%REC	1	5/26/2011 7:54:47 PM
Surr: Phenol-d5	24.6	13.7-82.2		%REC	1	5/26/2011 7:54:47 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Toluene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Naphthalene	ND	20		µg/L	10	5/27/2011 1:35:05 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 1:35:05 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 1:35:05 PM
Acetone	180	100		µg/L	10	5/27/2011 1:35:05 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Bromoform	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Bromomethane	ND	30		µg/L	10	5/27/2011 1:35:05 PM
2-Butanone	ND	100		µg/L	10	5/27/2011 1:35:05 PM
Carbon disulfide	170	100		µg/L	10	5/27/2011 1:35:05 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Chloroethane	ND	20		µg/L	10	5/27/2011 1:35:05 PM
Chloroform	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Chloromethane	ND	30		µg/L	10	5/27/2011 1:35:05 PM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 1:35:05 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 1:35:05 PM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Dibromomethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:35:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 1:35:05 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
2-Hexanone	ND	100		µg/L	10	5/27/2011 1:35:05 PM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 1:35:05 PM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 1:35:05 PM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Styrene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 1:35:05 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 1:35:05 PM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 1:35:05 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 1:35:05 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 1:35:05 PM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 1:35:05 PM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 1:35:05 PM
Surr: 1,2-Dichloroethane-d4	121	65.8-138		%REC	10	5/27/2011 1:35:05 PM
Surr: 4-Bromofluorobenzene	103	72.7-128		%REC	10	5/27/2011 1:35:05 PM
Surr: Dibromofluoromethane	119	69-135		%REC	10	5/27/2011 1:35:05 PM
Surr: Toluene-d8	97.0	86.1-134		%REC	10	5/27/2011 1:35:05 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:35:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	22000	0.50		µmhos/cm	50	5/25/2011 8:49:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.07	0.100	H	pH units	1	5/25/2011 5:47:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	10500	200		mg/L	1	5/26/2011 10:16:00 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
- 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: *16-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:55:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	54	5.0		mg/L	50	5/25/2011 1:34:11 PM
Chloride	3700	250		mg/L	500	6/1/2011 8:55:45 AM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	5/25/2011 1:34:11 PM
Bromide	1.4	1.0		mg/L	10	5/27/2011 4:55:24 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/25/2011 1:22:57 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	5/27/2011 4:55:24 AM
Sulfate	1100	25		mg/L	50	5/25/2011 1:34:11 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.033	0.0020		mg/L	1	6/7/2011 8:47:29 PM
Cadmium	ND	0.0020		mg/L	1	6/7/2011 8:47:29 PM
Calcium	92	5.0		mg/L	5	6/7/2011 9:02:31 PM
Chromium	0.024	0.0060		mg/L	1	6/7/2011 8:47:29 PM
Copper	ND	0.0060		mg/L	1	6/7/2011 8:47:29 PM
Iron	1.5	0.10		mg/L	5	6/7/2011 9:02:31 PM
Lead	ND	0.0050		mg/L	1	6/7/2011 8:47:29 PM
Magnesium	92	5.0		mg/L	5	6/7/2011 9:02:31 PM
Manganese	0.34	0.010		mg/L	5	6/7/2011 9:02:31 PM
Potassium	150	5.0		mg/L	5	6/7/2011 9:02:31 PM
Selenium	ND	0.050		mg/L	1	6/7/2011 8:47:29 PM
Silver	ND	0.0050		mg/L	1	6/7/2011 8:47:29 PM
Sodium	3100	50		mg/L	50	6/7/2011 7:02:29 PM
Zinc	0.033	0.010		mg/L	1	6/7/2011 8:47:29 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.034	0.0020		mg/L	1	6/2/2011 9:17:40 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 4:37:54 PM
Calcium	94	50		mg/L	50	6/6/2011 2:22:34 PM
Chromium	0.023	0.0060		mg/L	1	6/2/2011 9:17:40 PM
Copper	ND	0.0060		mg/L	1	6/2/2011 9:17:40 PM
Iron	2.0	1.0		mg/L	50	6/6/2011 2:22:34 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 9:17:40 PM
Magnesium	86	50		mg/L	50	6/6/2011 2:22:34 PM
Manganese	0.33	0.0020		mg/L	1	6/6/2011 4:37:54 PM
Potassium	130	50		mg/L	50	6/6/2011 2:22:34 PM
Selenium	ND	0.050		mg/L	1	6/6/2011 4:37:54 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 9:17:40 PM
Sodium	2600	50		mg/L	50	6/6/2011 2:22:34 PM
Zinc	0.033	0.010		mg/L	1	6/2/2011 9:17:40 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:55:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.014	0.010		mg/L	10	6/6/2011 1:10:37 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 1:59:56 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.015	0.0025		mg/L	2.5	6/6/2011 11:54:01 AM
Uranium	ND	0.0025		mg/L	2.5	6/6/2011 11:54:01 AM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:31:43 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Aniline	83	10		µg/L	1	5/26/2011 8:24:40 PM
Anthracene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 8:24:40 PM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/26/2011 8:24:40 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Carbazole	ND	10		µg/L	1	5/26/2011 8:24:40 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 8:24:40 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 8:24:40 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Chrysene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 8:24:40 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: *16-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	*1105893*	**Collection Date:**	5/23/2011 2:55:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	*1105893-10*	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 8:24:40 PM
2,4-Dimethylphenol	92	10		µg/L	1	5/26/2011 8:24:40 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 8:24:40 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 8:24:40 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Fluorene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Isophorone	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2-Methylphenol	630	100		µg/L	10	5/31/2011 3:04:26 PM
3+4-Methylphenol	1600	100		µg/L	10	5/31/2011 3:04:26 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 8:24:40 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 8:24:40 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 8:24:40 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 8:24:40 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 8:24:40 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 8:24:40 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 8:24:40 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Phenol	1600	100		µg/L	10	5/31/2011 3:04:26 PM
Pyrene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Pyridine	ND	10		µg/L	1	5/26/2011 8:24:40 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 8:24:40 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 8:24:40 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
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: *16-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:55:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 8:24:40 PM
Surr: 2,4,6-Tribromophenol	41.4	14.4-140		%REC	1	5/26/2011 8:24:40 PM
Surr: 2-Fluorobiphenyl	58.6	31.2-116		%REC	10	5/31/2011 3:04:26 PM
Surr: 2-Fluorophenol	14.1	11.8-102		%REC	1	5/26/2011 8:24:40 PM
Surr: 4-Terphenyl-d14	47.8	19.1-132		%REC	1	5/26/2011 8:24:40 PM
Surr: Nitrobenzene-d5	35.3	21.3-126		%REC	1	5/26/2011 8:24:40 PM
Surr: Phenol-d5	20.0	13.7-82.2		%REC	1	5/26/2011 8:24:40 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Toluene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Naphthalene	ND	20		µg/L	10	5/27/2011 2:01:32 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 2:01:32 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 2:01:32 PM
Acetone	ND	100		µg/L	10	5/27/2011 2:01:32 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Bromoform	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Bromomethane	ND	30		µg/L	10	5/27/2011 2:01:32 PM
2-Butanone	ND	100		µg/L	10	5/27/2011 2:01:32 PM
Carbon disulfide	130	100		µg/L	10	5/27/2011 2:01:32 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Chloroethane	ND	20		µg/L	10	5/27/2011 2:01:32 PM
Chloroform	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Chloromethane	ND	30		µg/L	10	5/27/2011 2:01:32 PM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 2:01:32 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 2:01:32 PM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Dibromomethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:01:32 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3 ,
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:55:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 2:01:32 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
2-Hexanone	ND	100		µg/L	10	5/27/2011 2:01:32 PM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 2:01:32 PM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 2:01:32 PM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Styrene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 2:01:32 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 2:01:32 PM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 2:01:32 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 2:01:32 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 2:01:32 PM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 2:01:32 PM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 2:01:32 PM
Surr: 1,2-Dichloroethane-d4	117	65.8-138		%REC	10	5/27/2011 2:01:32 PM
Surr: 4-Bromofluorobenzene	113	72.7-128		%REC	10	5/27/2011 2:01:32 PM
Surr: Dibromofluoromethane	121	69-135		%REC	10	5/27/2011 2:01:32 PM
Surr: Toluene-d8	109	86.1-134		%REC	10	5/27/2011 2:01:32 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: LJB

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
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: *16-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1105893	**Collection Date:**	5/23/2011 2:55:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	19000	0.50		µmhos/cm	50	5/25/2011 8:54:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.02	0.100	H	pH units	1	5/25/2011 5:56:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	9190	200		mg/L	1	5/26/2011 10:16:00 PM

Qualifiers:

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- PQL Practical Quantitation Limit
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:08:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	35	1.0		mg/L	10	5/25/2011 1:45:25 PM
Chloride	5300	250		mg/L	500	6/1/2011 10:35:02 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	5/25/2011 1:56:39 PM
Bromide	ND	2.0		mg/L	20	6/1/2011 7:28:42 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/25/2011 1:45:25 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	5/27/2011 6:05:02 AM
Sulfate	1100	25		mg/L	50	5/25/2011 1:56:39 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.067	0.0020		mg/L	1	6/7/2011 9:06:08 PM
Cadmium	ND	0.0020		mg/L	1	6/7/2011 9:06:08 PM
Calcium	210	5.0		mg/L	5	6/7/2011 9:09:24 PM
Chromium	0.024	0.0060		mg/L	1	6/7/2011 9:06:08 PM
Copper	ND	0.0060		mg/L	1	6/7/2011 9:06:08 PM
Iron	0.19	0.020		mg/L	1	6/7/2011 9:06:08 PM
Lead	ND	0.0050		mg/L	1	6/7/2011 9:06:08 PM
Magnesium	130	5.0		mg/L	5	6/7/2011 9:09:24 PM
Manganese	0.33	0.0020		mg/L	1	6/7/2011 9:06:08 PM
Potassium	160	5.0		mg/L	5	6/7/2011 9:09:24 PM
Selenium	ND	0.050		mg/L	1	6/7/2011 9:06:08 PM
Silver	ND	0.0050		mg/L	1	6/7/2011 9:06:08 PM
Sodium	3800	50		mg/L	50	6/7/2011 7:05:38 PM
Zinc	0.019	0.010		mg/L	1	6/7/2011 9:06:08 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.065	0.0020		mg/L	1	6/2/2011 9:20:15 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 4:44:15 PM
Calcium	200	50		mg/L	50	6/7/2011 5:21:41 PM
Chromium	0.024	0.0060		mg/L	1	6/2/2011 9:20:15 PM
Copper	ND	0.0060		mg/L	1	6/2/2011 9:20:15 PM
Iron	0.41	0.020		mg/L	1	6/2/2011 9:20:15 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 9:20:15 PM
Magnesium	130	50		mg/L	50	6/7/2011 5:21:41 PM
Manganese	0.30	0.0020		mg/L	1	6/6/2011 4:44:15 PM
Potassium	140	50		mg/L	50	6/7/2011 5:21:41 PM
Selenium	ND	0.050		mg/L	1	6/6/2011 4:44:15 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 9:20:15 PM
Sodium	3600	50		mg/L	50	6/7/2011 5:21:41 PM
Zinc	0.018	0.010		mg/L	1	6/2/2011 9:20:15 PM

Qualifiers:

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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:08:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.017	0.010		mg/L	10	6/6/2011 1:14:19 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 2:03:39 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.012	0.0025		mg/L	2.5	6/6/2011 11:57:43 AM
Uranium	ND	0.0025		mg/L	2.5	6/6/2011 11:57:43 AM
EPA METHOD 245.1: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:33:28 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Aniline	220	10		µg/L	1	5/26/2011 8:54:10 PM
Anthracene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 8:54:10 PM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/26/2011 8:54:10 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Carbazole	ND	10		µg/L	1	5/26/2011 8:54:10 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 8:54:10 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 8:54:10 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Chrysene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 8:54:10 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:08:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 8:54:10 PM
2,4-Dimethylphenol	280	100		µg/L	10	5/31/2011 3:33:56 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 8:54:10 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 8:54:10 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Fluorene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Isophorone	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2-Methylphenol	1200	100		µg/L	10	5/31/2011 3:33:56 PM
3+4-Methylphenol	2800	200		µg/L	20	5/31/2011 5:32:16 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 8:54:10 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 8:54:10 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 8:54:10 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 8:54:10 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 8:54:10 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 8:54:10 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 8:54:10 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Phenol	2300	100		µg/L	10	5/31/2011 3:33:56 PM
Pyrene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Pyridine	ND	10		µg/L	1	5/26/2011 8:54:10 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 8:54:10 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 8:54:10 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:08:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 8:54:10 PM
Surr: 2,4,6-Tribromophenol	55.2	14.4-140		%REC	1	5/26/2011 8:54:10 PM
Surr: 2-Fluorobiphenyl	52.0	31.2-116		%REC	1	5/26/2011 8:54:10 PM
Surr: 2-Fluorophenol	14.6	11.8-102		%REC	1	5/26/2011 8:54:10 PM
Surr: 4-Terphenyl-d14	68.8	19.1-132		%REC	1	5/26/2011 8:54:10 PM
Surr: Nitrobenzene-d5	87.5	21.3-126		%REC	1	5/26/2011 8:54:10 PM
Surr: Phenol-d5	26.5	13.7-82.2		%REC	1	5/26/2011 8:54:10 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Toluene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Naphthalene	ND	20		µg/L	10	5/27/2011 2:28:09 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 2:28:09 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 2:28:09 PM
Acetone	120	100		µg/L	10	5/27/2011 2:28:09 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Bromoform	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Bromomethane	ND	30		µg/L	10	5/27/2011 2:28:09 PM
2-Butanone	ND	100		µg/L	10	5/27/2011 2:28:09 PM
Carbon disulfide	140	100		µg/L	10	5/27/2011 2:28:09 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Chloroethane	ND	20		µg/L	10	5/27/2011 2:28:09 PM
Chloroform	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Chloromethane	ND	30		µg/L	10	5/27/2011 2:28:09 PM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 2:28:09 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 2:28:09 PM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Dibromomethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM

Qualifiers:

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- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:08:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 2:28:09 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
2-Hexanone	ND	100		µg/L	10	5/27/2011 2:28:09 PM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 2:28:09 PM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 2:28:09 PM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Styrene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 2:28:09 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 2:28:09 PM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 2:28:09 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 2:28:09 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 2:28:09 PM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 2:28:09 PM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 2:28:09 PM
Surr: 1,2-Dichloroethane-d4	118	65.8-138		%REC	10	5/27/2011 2:28:09 PM
Surr: 4-Bromofluorobenzene	104	72.7-128		%REC	10	5/27/2011 2:28:09 PM
Surr: Dibromofluoromethane	122	69-135		%REC	10	5/27/2011 2:28:09 PM
Surr: Toluene-d8	112	86.1-134		%REC	10	5/27/2011 2:28:09 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:08:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: LJB
Specific Conductance	24000	0.50		µmhos/cm	50	5/25/2011 8:58:00 PM
SM4500-H+B: PH						Analyst: LJB
pH	8.10	0.100	H	pH units	1	5/25/2011 6:00:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	11300	200		mg/L	1	5/26/2011 10:16:00 PM

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- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	27	1.0		mg/L	10	5/25/2011 2:07:52 PM
Chloride	6700	250		mg/L	500	6/2/2011 4:52:54 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	5/25/2011 2:19:05 PM
Bromide	2.3	1.0		mg/L	10	5/31/2011 6:07:44 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/25/2011 2:07:52 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	6/1/2011 11:19:57 PM
Sulfate	1200	25		mg/L	50	5/25/2011 2:19:05 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.086	0.0020		mg/L	1	6/7/2011 9:14:37 PM
Cadmium	ND	0.0020		mg/L	1	6/7/2011 9:14:37 PM
Calcium	240	5.0		mg/L	5	6/7/2011 9:18:02 PM
Chromium	0.023	0.0060		mg/L	1	6/7/2011 9:14:37 PM
Copper	ND	0.0060		mg/L	1	6/7/2011 9:14:37 PM
Iron	0.049	0.020		mg/L	1	6/7/2011 9:14:37 PM
Lead	ND	0.0050		mg/L	1	6/7/2011 9:14:37 PM
Magnesium	150	5.0		mg/L	5	6/7/2011 9:18:02 PM
Manganese	0.21	0.0020		mg/L	1	6/7/2011 9:14:37 PM
Potassium	150	5.0		mg/L	5	6/7/2011 9:18:02 PM
Selenium	ND	0.050		mg/L	1	6/7/2011 9:14:37 PM
Silver	ND	0.0050		mg/L	1	6/7/2011 9:14:37 PM
Sodium	4000	50		mg/L	50	6/7/2011 7:08:55 PM
Zinc	0.015	0.010		mg/L	1	6/7/2011 9:14:37 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.083	0.0020		mg/L	1	6/2/2011 9:23:18 PM
Cadmium	ND	0.0020		mg/L	1	6/6/2011 4:50:45 PM
Calcium	220	50		mg/L	50	6/6/2011 2:39:53 PM
Chromium	0.022	0.0060		mg/L	1	6/2/2011 9:23:18 PM
Copper	ND	0.0060		mg/L	1	6/2/2011 9:23:18 PM
Iron	0.14	0.020		mg/L	1	6/2/2011 9:23:18 PM
Lead	ND	0.0050		mg/L	1	6/2/2011 9:23:18 PM
Magnesium	130	50		mg/L	50	6/6/2011 2:39:53 PM
Manganese	0.19	0.0020		mg/L	1	6/6/2011 4:50:45 PM
Potassium	140	5.0		mg/L	5	6/7/2011 10:59:33 PM
Selenium	ND	0.050		mg/L	1	6/6/2011 4:50:45 PM
Silver	ND	0.0050		mg/L	1	6/2/2011 9:23:18 PM
Sodium	4100	50		mg/L	50	6/7/2011 5:24:58 PM
Zinc	0.015	0.010		mg/L	1	6/2/2011 9:23:18 PM

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- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: DISSOLVED METALS						Analyst: SNV
Arsenic	0.018	0.010		mg/L	10	6/6/2011 1:18:02 PM
Uranium	ND	0.0050		mg/L	5	6/7/2011 2:07:21 PM
EPA 200.8: METALS						Analyst: SNV
Arsenic	0.018	0.0025		mg/L	2.5	6/6/2011 12:01:26 PM
Uranium	ND	0.0025		mg/L	2.5	6/6/2011 12:01:26 PM
EPA METHOD 245.1: MERCURY						Analyst: ELS
Mercury	ND	0.00020		mg/L	1	5/31/2011 1:35:14 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Acenaphthylene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Aniline	110	10		µg/L	1	5/26/2011 9:23:37 PM
Anthracene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Azobenzene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Benz(a)anthracene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Benzo(a)pyrene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Benzoic acid	ND	20		µg/L	1	5/26/2011 9:23:37 PM
Benzyl alcohol	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/26/2011 9:23:37 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Butyl benzyl phthalate	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Carbazole	ND	10		µg/L	1	5/26/2011 9:23:37 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/26/2011 9:23:37 PM
4-Chloroaniline	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2-Chloronaphthalene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2-Chlorophenol	ND	10		µg/L	1	5/26/2011 9:23:37 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Chrysene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Di-n-butyl phthalate	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Di-n-octyl phthalate	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Dibenzofuran	ND	10		µg/L	1	5/26/2011 9:23:37 PM

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- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Diethyl phthalate	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Dimethyl phthalate	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2,4-Dichlorophenol	ND	20		µg/L	1	5/26/2011 9:23:37 PM
2,4-Dimethylphenol	220	10		µg/L	1	5/26/2011 9:23:37 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/26/2011 9:23:37 PM
2,4-Dinitrophenol	ND	20		µg/L	1	5/26/2011 9:23:37 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Fluoranthene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Fluorene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Hexachlorobenzene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Hexachlorobutadiene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Hexachloroethane	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Isophorone	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2-Methylnaphthalene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2-Methylphenol	1100	100		µg/L	10	5/31/2011 4:03:28 PM
3+4-Methylphenol	2600	200		µg/L	20	5/31/2011 6:01:55 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/26/2011 9:23:37 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	5/26/2011 9:23:37 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Naphthalene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2-Nitroaniline	ND	10		µg/L	1	5/26/2011 9:23:37 PM
3-Nitroaniline	ND	10		µg/L	1	5/26/2011 9:23:37 PM
4-Nitroaniline	ND	20		µg/L	1	5/26/2011 9:23:37 PM
Nitrobenzene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2-Nitrophenol	ND	10		µg/L	1	5/26/2011 9:23:37 PM
4-Nitrophenol	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Pentachlorophenol	ND	20		µg/L	1	5/26/2011 9:23:37 PM
Phenanthrene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Phenol	1600	100		µg/L	10	5/31/2011 4:03:28 PM
Pyrene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Pyridine	ND	10		µg/L	1	5/26/2011 9:23:37 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/26/2011 9:23:37 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/26/2011 9:23:37 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/26/2011 9:23:37 PM
Surr: 2,4,6-Tribromophenol	53.7	14.4-140		%REC	1	5/26/2011 9:23:37 PM
Surr: 2-Fluorobiphenyl	41.3	31.2-116		%REC	1	5/26/2011 9:23:37 PM
Surr: 2-Fluorophenol	15.2	11.8-102		%REC	1	5/26/2011 9:23:37 PM
Surr: 4-Terphenyl-d14	59.5	19.1-132		%REC	1	5/26/2011 9:23:37 PM
Surr: Nitrobenzene-d5	67.4	21.3-126		%REC	1	5/26/2011 9:23:37 PM
Surr: Phenol-d5	23.3	13.7-82.2		%REC	1	5/26/2011 9:23:37 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Toluene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Ethylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Naphthalene	ND	20		µg/L	10	5/27/2011 2:55:18 PM
1-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 2:55:18 PM
2-Methylnaphthalene	ND	40		µg/L	10	5/27/2011 2:55:18 PM
Acetone	ND	100		µg/L	10	5/27/2011 2:55:18 PM
Bromobenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Bromodichloromethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Bromoform	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Bromomethane	ND	30		µg/L	10	5/27/2011 2:55:18 PM
2-Butanone	ND	100		µg/L	10	5/27/2011 2:55:18 PM
Carbon disulfide	150	100		µg/L	10	5/27/2011 2:55:18 PM
Carbon Tetrachloride	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Chlorobenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Chloroethane	ND	20		µg/L	10	5/27/2011 2:55:18 PM
Chloroform	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Chloromethane	ND	30		µg/L	10	5/27/2011 2:55:18 PM
2-Chlorotoluene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
4-Chlorotoluene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
cis-1,2-DCE	ND	10		µg/L	10	5/27/2011 2:55:18 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/27/2011 2:55:18 PM
Dibromochloromethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Dibromomethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:55:18 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Dichlorodifluoromethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,1-Dichloroethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,1-Dichloroethene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2-Dichloropropane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,3-Dichloropropane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
2,2-Dichloropropane	ND	20		µg/L	10	5/27/2011 2:55:18 PM
1,1-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Hexachlorobutadiene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
2-Hexanone	ND	100		µg/L	10	5/27/2011 2:55:18 PM
Isopropylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
4-Isopropyltoluene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	5/27/2011 2:55:18 PM
Methylene Chloride	ND	30		µg/L	10	5/27/2011 2:55:18 PM
n-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
n-Propylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
sec-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Styrene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
tert-Butylbenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/27/2011 2:55:18 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/27/2011 2:55:18 PM
trans-1,2-DCE	ND	10		µg/L	10	5/27/2011 2:55:18 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Trichloroethene (TCE)	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Trichlorofluoromethane	ND	10		µg/L	10	5/27/2011 2:55:18 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	5/27/2011 2:55:18 PM
Vinyl chloride	ND	10		µg/L	10	5/27/2011 2:55:18 PM
Xylenes, Total	ND	15		µg/L	10	5/27/2011 2:55:18 PM
Surr: 1,2-Dichloroethane-d4	109	65.8-138		%REC	10	5/27/2011 2:55:18 PM
Surr: 4-Bromofluorobenzene	110	72.7-128		%REC	10	5/27/2011 2:55:18 PM
Surr: Dibromofluoromethane	111	69-135		%REC	10	5/27/2011 2:55:18 PM
Surr: Toluene-d8	103	86.1-134		%REC	10	5/27/2011 2:55:18 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**

Qualifiers:

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- E Estimated value
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- 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: *15-Jun-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1105893	**Collection Date:**	5/23/2011 3:18:00 PM
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **LJB**
Specific Conductance	26000	0.50		µmhos/cm	50	5/25/2011 9:02:00 PM
SM4500-H+B: PH						Analyst: **LJB**
pH	8.06	0.100	H	pH units	1	5/25/2011 6:04:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	12400	200		mg/L	1	5/26/2011 10:16:00 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1105893	**Collection Date:**	
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Toluene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Ethylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Naphthalene	ND	2.0		µg/L	1	5/27/2011 3:02:07 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2011 3:02:07 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2011 3:02:07 AM
Acetone	ND	10		µg/L	1	5/27/2011 3:02:07 AM
Bromobenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Bromoform	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Bromomethane	ND	3.0		µg/L	1	5/27/2011 3:02:07 AM
2-Butanone	ND	10		µg/L	1	5/27/2011 3:02:07 AM
Carbon disulfide	ND	10		µg/L	1	5/27/2011 3:02:07 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Chlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Chloroethane	ND	2.0		µg/L	1	5/27/2011 3:02:07 AM
Chloroform	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Chloromethane	ND	3.0		µg/L	1	5/27/2011 3:02:07 AM
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
cis-1,2-DCE	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2011 3:02:07 AM
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Dibromomethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	5/27/2011 3:02:07 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2011 3:02:07 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1105893	**Collection Date:**	
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
2-Hexanone	ND	10		µg/L	1	5/27/2011 3:02:07 AM
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2011 3:02:07 AM
Methylene Chloride	ND	3.0		µg/L	1	5/27/2011 3:02:07 AM
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Styrene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/27/2011 3:02:07 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2011 3:02:07 AM
Vinyl chloride	ND	1.0		µg/L	1	5/27/2011 3:02:07 AM
Xylenes, Total	ND	1.5		µg/L	1	5/27/2011 3:02:07 AM
Surr: 1,2-Dichloroethane-d4	111	65.8-138		%REC	1	5/27/2011 3:02:07 AM
Surr: 4-Bromofluorobenzene	104	72.7-128		%REC	1	5/27/2011 3:02:07 AM
Surr: Dibromofluoromethane	113	69-135		%REC	1	5/27/2011 3:02:07 AM
Surr: Toluene-d8	109	86.1-134		%REC	1	5/27/2011 3:02:07 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1105893	**Collection Date:**	
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-14	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Toluene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Ethylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Naphthalene	ND	2.0		µg/L	1	5/27/2011 3:28:31 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2011 3:28:31 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2011 3:28:31 AM
Acetone	ND	10		µg/L	1	5/27/2011 3:28:31 AM
Bromobenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Bromoform	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Bromomethane	ND	3.0		µg/L	1	5/27/2011 3:28:31 AM
2-Butanone	ND	10		µg/L	1	5/27/2011 3:28:31 AM
Carbon disulfide	ND	10		µg/L	1	5/27/2011 3:28:31 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Chlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Chloroethane	ND	2.0		µg/L	1	5/27/2011 3:28:31 AM
Chloroform	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Chloromethane	ND	3.0		µg/L	1	5/27/2011 3:28:31 AM
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
cis-1,2-DCE	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2011 3:28:31 AM
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Dibromomethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	5/27/2011 3:28:31 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2011 3:28:31 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
- 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: *15-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1105893	**Collection Date:**	
Project:	Semi-Annual	**Date Received:**	5/24/2011
Lab ID:	1105893-14	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
2-Hexanone	ND	10		µg/L	1	5/27/2011 3:28:31 AM
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2011 3:28:31 AM
Methylene Chloride	ND	3.0		µg/L	1	5/27/2011 3:28:31 AM
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Styrene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/27/2011 3:28:31 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2011 3:28:31 AM
Vinyl chloride	ND	1.0		µg/L	1	5/27/2011 3:28:31 AM
Xylenes, Total	ND	1.5		µg/L	1	5/27/2011 3:28:31 AM
Surr: 1,2-Dichloroethane-d4	106	65.8-138		%REC	1	5/27/2011 3:28:31 AM
Surr: 4-Bromofluorobenzene	98.2	72.7-128		%REC	1	5/27/2011 3:28:31 AM
Surr: Dibromofluoromethane	102	69-135		%REC	1	5/27/2011 3:28:31 AM
Surr: Toluene-d8	111	86.1-134		%REC	1	5/27/2011 3:28:31 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-001	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011 11:00 AM
Client Sample ID	1105893-01F / EP-1	**Sampling Time**	10:50 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1340	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1105893
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-002	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-02F / EP-2	**Sampling Time**	11:08 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	737	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-003	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM
Client Sample ID	1105893-03F / EP-6	**Sampling Time**	11:33 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	473	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-004	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM
Client Sample ID	1105893-04F / EP-9	**Sampling Time**	11:50 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1640	mg/L	250	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1105893
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-005	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-05F / EP-8	**Sampling Time**	1:31 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	3140	mg/L	250	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-006	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-06F / EP-7	**Sampling Time**	1:51 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	918	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-007	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-07F / EP-11	**Sampling Time**	2:10 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	711	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-008	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-08F / EP-12A	**Sampling Time**	2:18 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	582	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-009	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-09F / EP-12B	**Sampling Time**	2:35 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	450	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-010	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011 11:00 AM
Client Sample ID	1105893-10F / EP-3	**Sampling Time**	2:55 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	574	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-011	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-11F / EP-4	**Sampling Time**	3:08 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	639	mg/L	50	6/9/2011	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	110527017
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1105893
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	110527017-012	**Sampling Date**	5/23/2011	**Date/Time Received**	5/27/2011	11:00 AM	
Client Sample ID	1105893-12F / EP-5	**Sampling Time**	3:18 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	413	mg/L	50	6/9/2011	JLU	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-27010		*MBLK*				Batch ID:	**27010**	Analysis Date:	6/2/2011 5:35:16 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB-27010		*MBLK*				Batch ID:	**27010**	Analysis Date:	6/6/2011 10:51:02 AM		
Cadmium	ND	mg/L	0.0020								
Sample ID: MB		*MBLK*				Batch ID:	**R45803**	Analysis Date:	6/8/2011 4:01:10 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	**R45833**	Analysis Date:	6/9/2011 3:26:37 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								

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

t: Western Refining Southwest, Gallup
ject: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB		*MBLK*				**Batch ID: R45833**		**Analysis Date:**		**6/9/2011 3:26:37 PM**	
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-27010		*LCS*				**Batch ID: 27010**		**Analysis Date:**		**6/2/2011 5:38:13 PM**	
Arsenic	0.5249	mg/L	0.020	0.5	0	105	85	115			
Barium	0.4951	mg/L	0.0020	0.5	0.0013	98.7	85	115			
Calcium	51.40	mg/L	1.0	50.5	0.0880	102	85	115			
Chromium	0.5035	mg/L	0.0060	0.5	0.0013	100	85	115			
Copper	0.5197	mg/L	0.0060	0.5	0.003	103	85	115			
Iron	0.4997	mg/L	0.020	0.5	0	99.9	85	115			
Lead	0.4857	mg/L	0.0050	0.5	0	97.1	85	115			
Magnesium	51.87	mg/L	1.0	50.5	0.0764	103	85	115			
Manganese	0.4938	mg/L	0.0020	0.5	0.0014	98.5	85	115			
Potassium	50.01	mg/L	1.0	55	0.1334	90.7	85	115			
Selenium	0.5442	mg/L	0.050	0.5	0	109	85	115			
Silver	0.1019	mg/L	0.0050	0.1	0	102	85	115			
Sodium	50.81	mg/L	1.0	50.5	0.1243	100	85	115			
Zinc	0.5097	mg/L	0.010	0.5	0.0022	102	85	115			
Sample ID: LCS-27010		*LCS*				**Batch ID: 27010**		**Analysis Date:**		**6/6/2011 10:54:01 AM**	
m	0.5012	mg/L	0.0020	0.5	0.0008	100	85	115			
S...ple ID: LCS		*LCS*				**Batch ID: R45803**		**Analysis Date:**		**6/8/2011 4:04:22 PM**	
Barium	0.4787	mg/L	0.0020	0.5	0	95.7	85	115			
Cadmium	0.4835	mg/L	0.0020	0.5	0.0003	96.6	85	115			
Calcium	46.51	mg/L	1.0	50.5	0.0268	92.0	85	115			
Chromium	0.4934	mg/L	0.0060	0.5	0.0009	98.5	85	115			
Copper	0.4929	mg/L	0.0060	0.5	0	98.6	85	115			
Iron	0.4761	mg/L	0.020	0.5	0	95.2	85	115			
Lead	0.4736	mg/L	0.0050	0.5	0	94.7	85	115			
Magnesium	47.43	mg/L	1.0	50.5	0.0298	93.9	85	115			
Manganese	0.4802	mg/L	0.0020	0.5	0.0002	96.0	85	115			
Potassium	46.06	mg/L	1.0	50.5	0.146	90.9	85	115			
Selenium	0.4771	mg/L	0.050	0.5	0	95.4	85	115			
Silver	0.09747	mg/L	0.0050	0.1	0	97.5	85	115			
Sodium	46.88	mg/L	1.0	50.5	0.0586	92.7	85	115			
Zinc	0.4956	mg/L	0.010	0.5	0	99.1	85	115			
Sample ID: LCS		*LCS*				**Batch ID: R45833**		**Analysis Date:**		**6/9/2011 3:29:52 PM**	
Barium	0.4725	mg/L	0.0020	0.5	0	94.5	85	115			
Cadmium	0.4736	mg/L	0.0020	0.5	0.0002	94.7	85	115			
Chromium	0.4908	mg/L	0.0060	0.5	0	98.2	85	115			
Copper	0.4811	mg/L	0.0060	0.5	0	96.2	85	115			
Iron	0.4604	mg/L	0.020	0.5	0	92.1	85	115			
Lead	0.4779	mg/L	0.0050	0.5	0	95.6	85	115			
Manganese	0.4756	mg/L	0.0020	0.5	0	95.1	85	115			
Selenium	0.4844	mg/L	0.050	0.5	0.0152	93.8	85	115			

Q...fiers:

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R45833**	Analysis Date:		6/9/2011 3:29:52 PM	
Silver	0.09434	mg/L	0.0050	0.1	0	94.3	85	115			
Zinc	0.5010	mg/L	0.010	0.5	0	100	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R45833**	Analysis Date:		6/9/2011	
Calcium	51.64	mg/L	1.0	50.5	0	102	85	115			
Magnesium	51.77	mg/L	1.0	50.5	0	103	85	115			
Potassium	49.42	mg/L	1.0	50.5	0	97.9	85	115			
Sodium	50.71	mg/L	1.0	50.5	0	100	85	115			

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

nt: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R45777**		Analysis Date:	6/7/2011 3:40:58 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R45777**		Analysis Date:	6/7/2011 3:53:31 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
[illegible]ium	ND	mg/L	0.0060								
[illegible]per	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID: **R45803**		Analysis Date:	6/8/2011 3:54:28 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Z	ND	mg/L	0.010								

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R45803**		**Analysis Date:**	6/8/2011 4:01:10 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				**Batch ID: R45833**		**Analysis Date:**	6/9/2011 3:26:37 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS		*LCS*				**Batch ID: R45777**		**Analysis Date:**	6/7/2011 3:45:16 PM		
Barium	0.4894	mg/L	0.0020	0.5	0	97.9	85	115			
Cadmium	0.4889	mg/L	0.0020	0.5	0	97.8	85	115			
Chromium	0.5083	mg/L	0.0060	0.5	0	102	85	115			
Copper	0.4970	mg/L	0.0060	0.5	0	99.4	85	115			
Iron	0.4937	mg/L	0.020	0.5	0	98.7	85	115			
Lead	0.4864	mg/L	0.0050	0.5	0	97.3	85	115			
Manganese	0.4871	mg/L	0.0020	0.5	0	97.4	85	115			
Selenium	0.5065	mg/L	0.050	0.5	0	101	85	115			
Silver	0.09789	mg/L	0.0050	0.1	0	97.9	85	115			
Zinc	0.5137	mg/L	0.010	0.5	0	103	85	115			
Sample ID: LCS		*LCS*				**Batch ID: R45777**		**Analysis Date:**	6/7/2011 3:50:02 PM		
Calcium	49.54	mg/L	1.0	50.5	0.0481	98.0	85	115			
Magnesium	49.48	mg/L	1.0	50.5	0.0514	97.9	85	115			
Potassium	47.99	mg/L	1.0	55	0.0793	87.1	85	115			

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				**Batch ID:**	**R45777**	**Analysis Date:**		**6/7/2011 3:50:02 PM**	
Sodium	48.70	mg/L	1.0	50.5	0.0537	96.3	85	115			
Sample ID: LCS		*LCS*				**Batch ID:**	**R45777**	**Analysis Date:**		**6/7/2011 3:57:14 PM**	
Barium	0.4859	mg/L	0.0020	0.5	0	97.2	85	115			
Cadmium	0.4868	mg/L	0.0020	0.5	0	97.4	85	115			
Chromium	0.5015	mg/L	0.0060	0.5	0.0003	100	85	115			
Copper	0.4931	mg/L	0.0060	0.5	0	98.6	85	115			
Iron	0.4794	mg/L	0.020	0.5	0	95.9	85	115			
Lead	0.4831	mg/L	0.0050	0.5	0	96.6	85	115			
Manganese	0.4835	mg/L	0.0020	0.5	0	96.7	85	115			
Selenium	0.4990	mg/L	0.050	0.5	0	99.8	85	115			
Silver	0.09644	mg/L	0.0050	0.1	0	96.4	85	115			
Zinc	0.5137	mg/L	0.010	0.5	0	103	85	115			
Sample ID: LCS		*LCS*				**Batch ID:**	**R45777**	**Analysis Date:**		**6/7/2011 4:07:04 PM**	
Calcium	50.81	mg/L	1.0	50.5	0.1123	100	85	115			
Magnesium	49.89	mg/L	1.0	50.5	0.0615	98.7	85	115			
Potassium	48.22	mg/L	1.0	55	0.1774	87.3	85	115			
Sodium	48.79	mg/L	1.0	50.5	0.1247	96.4	85	115			
Sample ID: LCS		*LCS*				**Batch ID:**	**R45803**	**Analysis Date:**		**6/8/2011 3:57:47 PM**	
[illegible]	0.4828	mg/L	0.0020	0.5	0	96.6	85	115			
Cadmium	0.4879	mg/L	0.0020	0.5	0	97.6	85	115			
Calcium	47.87	mg/L	1.0	50.5	0	94.8	85	115			
Chromium	0.4975	mg/L	0.0060	0.5	0.0005	99.4	85	115			
Copper	0.5007	mg/L	0.0060	0.5	0.001	100	85	115			
Iron	0.4749	mg/L	0.020	0.5	0	95.0	85	115			
Lead	0.4766	mg/L	0.0050	0.5	0	95.3	85	115			
Magnesium	49.31	mg/L	1.0	50.5	0.0126	97.6	85	115			
Manganese	0.4853	mg/L	0.0020	0.5	0	97.1	85	115			
Potassium	47.85	mg/L	1.0	50.5	0.1068	94.5	85	115			
Selenium	0.4735	mg/L	0.050	0.5	0	94.7	85	115			
Silver	0.09843	mg/L	0.0050	0.1	0	98.4	85	115			
Sodium	48.91	mg/L	1.0	50.5	0	96.8	85	115			
Zinc	0.4971	mg/L	0.010	0.5	0	99.4	85	115			
Sample ID: LCS		*LCS*				**Batch ID:**	**R45803**	**Analysis Date:**		**6/8/2011 4:04:22 PM**	
Barium	0.4787	mg/L	0.0020	0.5	0	95.7	85	115			
Cadmium	0.4835	mg/L	0.0020	0.5	0.0003	96.6	85	115			
Calcium	46.51	mg/L	1.0	50.5	0.0268	92.0	85	115			
Chromium	0.4934	mg/L	0.0060	0.5	0.0009	98.5	85	115			
Copper	0.4929	mg/L	0.0060	0.5	0	98.6	85	115			
Iron	0.4761	mg/L	0.020	0.5	0	95.2	85	115			
Lead	0.4736	mg/L	0.0050	0.5	0	94.7	85	115			
Magnesium	47.43	mg/L	1.0	50.5	0.0298	93.9	85	115			
Manganese	0.4802	mg/L	0.0020	0.5	0.0002	96.0	85	115			
Potassium	46.06	mg/L	1.0	50.5	0.146	90.9	85	115			

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R45803**	Analysis Date:		6/8/2011 4:04:22 PM	
Selenium	0.4771	mg/L	0.050	0.5	0	95.4	85	115			
Silver	0.09747	mg/L	0.0050	0.1	0	97.5	85	115			
Sodium	46.88	mg/L	1.0	50.5	0.0586	92.7	85	115			
Zinc	0.4956	mg/L	0.010	0.5	0	99.1	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R45833**	Analysis Date:		6/9/2011 3:29:52 PM	
Barium	0.4725	mg/L	0.0020	0.5	0	94.5	85	115			
Cadmium	0.4736	mg/L	0.0020	0.5	0.0002	94.7	85	115			
Chromium	0.4908	mg/L	0.0060	0.5	0	98.2	85	115			
Copper	0.4811	mg/L	0.0060	0.5	0	96.2	85	115			
Iron	0.4604	mg/L	0.020	0.5	0	92.1	85	115			
Lead	0.4779	mg/L	0.0050	0.5	0	95.6	85	115			
Manganese	0.4756	mg/L	0.0020	0.5	0	95.1	85	115			
Selenium	0.4844	mg/L	0.050	0.5	0.0152	93.8	85	115			
Silver	0.09434	mg/L	0.0050	0.1	0	94.3	85	115			
Zinc	0.5010	mg/L	0.010	0.5	0	100	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R45833**	Analysis Date:		6/9/2011 3:41:50 PM	
Calcium	51.64	mg/L	1.0	50.5	0	102	85	115			
Magnesium	51.77	mg/L	1.0	50.5	0.0029	103	85	115			
Potassium	49.42	mg/L	1.0	55	0.0981	89.7	85	115			
Sodium	50.71	mg/L	1.0	50.5	0.1403	100	85	115			

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

nt: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R45759**	Analysis Date:	6/6/2011 11:35:31 AM		
Arsenic	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R45769**	Analysis Date:	6/7/2011 12:27:02 PM		
Arsenic	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R45807**	Analysis Date:	6/8/2011 3:53:37 PM		
Arsenic	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R45856**	Analysis Date:	6/10/2011 2:22:30 PM		
Arsenic	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R45759**	Analysis Date:	6/6/2011 11:39:12 AM		
Arsenic	0.02675	mg/L	0.0010	0.025	0	107	85	115			
Uranium	0.02579	mg/L	0.0010	0.025	0	103	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R45769**	Analysis Date:	6/7/2011 12:30:44 PM		
Arsenic	0.02460	mg/L	0.0010	0.025	0	98.4	85	115			
Uranium	0.02501	mg/L	0.0010	0.025	0	100	85	115			
le ID: LCS		*LCS*				Batch ID:	**R45807**	Analysis Date:	6/8/2011 3:59:22 PM		
c	0.02683	mg/L	0.0010	0.025	0	107	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R45856**	Analysis Date:	6/10/2011 2:26:12 PM		
Arsenic	0.02503	mg/L	0.0010	0.025	0	100	85	115			
Uranium	0.02549	mg/L	0.0010	0.025	0	102	85	115			
Sample ID: 1105893-06DMS		*MS*				Batch ID:	**R45759**	Analysis Date:	6/6/2011 12:34:51 PM		
Arsenic	0.3210	mg/L	0.010	0.25	0.0678	101	70	130			
Uranium	0.3086	mg/L	0.010	0.25	0.0041	122	70	130			
Sample ID: 1105893-07DMS		*MS*				Batch ID:	**R45759**	Analysis Date:	6/6/2011 12:42:17 PM		
Arsenic	0.3136	mg/L	0.010	0.25	0.055	103	70	130			
Uranium	0.2984	mg/L	0.010	0.25	0.0021	119	70	130			
Method: EPA 200.8: Metals											
Sample ID: MB-27010		*MBLK*				Batch ID:	**27010**	Analysis Date:	6/3/2011 2:31:42 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R45769**	Analysis Date:	6/7/2011 12:27:02 PM		
Arsenic	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R45769**	Analysis Date:	6/7/2011 12:30:44 PM		
Arsenic	0.02460	mg/L	0.0010	0.025	0	98.4	85	115			
Uranium	0.02501	mg/L	0.0010	0.025	0	100	85	115			

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R45556**		Analysis Date:	5/24/2011 9:19:00 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R45556**		Analysis Date:	5/24/2011 4:14:31 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R45556**		Analysis Date:	5/25/2011 1:24:44 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R45586**		Analysis Date:	5/25/2011 10:34:29 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R45604**		Analysis Date:	5/26/2011 10:20:59 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R45665**		Analysis Date:	5/31/2011 2:03:59 PM		

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

t: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R45665**	Analysis Date:		5/31/2011 2:03:59 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45692**	Analysis Date:		6/1/2011 1:13:35 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45708**	Analysis Date:		6/2/2011 1:19:34 PM	
F 'e	ND	mg/L	0.10								
a	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45775**	Analysis Date:		6/7/2011 12:13:32 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:		5/24/2011 9:30:13 AM	
Fluoride	0.5119	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.878	mg/L	0.50	5	0	97.6	90	110			
Nitrogen, Nitrite (As N)	0.9642	mg/L	0.10	1	0	96.4	90	110			
Nitrogen, Nitrate (As N)	2.474	mg/L	0.10	2.5	0	99.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.438	mg/L	0.20	3.5	0	98.2	90	110			
Phosphorus, Orthophosphate (As P)	5.081	mg/L	0.50	5	0	102	90	110			
Sulfate	9.835	mg/L	0.50	10	0	98.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:		5/24/2011 4:25:45 PM	
F '	0.5150	mg/L	0.10	0.5	0	103	90	110			

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:		5/24/2011 4:25:45 PM	
Chloride	4.885	mg/L	0.50	5	0	97.7	90	110			
Nitrogen, Nitrite (As N)	0.9616	mg/L	0.10	1	0	96.2	90	110			
Bromide	2.395	mg/L	0.10	2.5	0	95.8	90	110			
Nitrogen, Nitrate (As N)	2.498	mg/L	0.10	2.5	0	99.9	90	110			
Nitrate (As N)+Nitrite (As N)	3.460	mg/L	0.20	3.5	0	98.9	90	110			
Phosphorus, Orthophosphate (As P)	5.136	mg/L	0.50	5	0	103	90	110			
Sulfate	9.927	mg/L	0.50	10	0	99.3	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:		5/25/2011 1:35:58 AM	
Fluoride	0.4235	mg/L	0.10	0.5	0	84.7	90	110			S
Chloride	4.643	mg/L	0.50	5	0	92.9	90	110			
Nitrogen, Nitrite (As N)	0.9154	mg/L	0.10	1	0	91.5	90	110			
Bromide	2.270	mg/L	0.10	2.5	0	90.8	90	110			
Nitrogen, Nitrate (As N)	2.375	mg/L	0.10	2.5	0	95.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.290	mg/L	0.20	3.5	0	94.0	90	110			
Phosphorus, Orthophosphate (As P)	4.667	mg/L	0.50	5	0	93.3	90	110			
Sulfate	9.403	mg/L	0.50	10	0	94.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45586**	Analysis Date:		5/25/2011 10:45:43 AM	
Fluoride	0.4953	mg/L	0.10	0.5	0	99.1	90	110			
Chloride	4.847	mg/L	0.50	5	0	96.9	90	110			
Nitrogen, Nitrite (As N)	0.9651	mg/L	0.10	1	0	96.5	90	110			
Bromide	2.494	mg/L	0.10	2.5	0	99.8	90	110			
Nitrogen, Nitrate (As N)	2.465	mg/L	0.10	2.5	0	98.6	90	110			
Phosphorus, Orthophosphate (As P)	4.994	mg/L	0.50	5	0	99.9	90	110			
Sulfate	9.816	mg/L	0.50	10	0	98.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45604**	Analysis Date:		5/26/2011 10:38:24 AM	
Fluoride	0.4653	mg/L	0.10	0.5	0	93.1	90	110			
Chloride	4.866	mg/L	0.50	5	0	97.3	90	110			
Nitrogen, Nitrite (As N)	0.9011	mg/L	0.10	1	0	90.1	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrogen, Nitrate (As N)	2.495	mg/L	0.10	2.5	0	99.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.396	mg/L	0.20	3.5	0	97.0	90	110			
Phosphorus, Orthophosphate (As P)	4.674	mg/L	0.50	5	0	93.5	90	110			
Sulfate	9.729	mg/L	0.50	10	0	97.3	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45665**	Analysis Date:		5/31/2011 2:21:24 PM	
Fluoride	0.4929	mg/L	0.10	0.5	0	98.6	90	110			
Chloride	5.000	mg/L	0.50	5	0	100	90	110			
Nitrogen, Nitrite (As N)	0.9220	mg/L	0.10	1	0	92.2	90	110			
Bromide	2.485	mg/L	0.10	2.5	0	99.4	90	110			
Nitrogen, Nitrate (As N)	2.586	mg/L	0.10	2.5	0	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.508	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.588	mg/L	0.50	5	0	91.8	90	110			
Sulfate	10.11	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45692**	Analysis Date:		6/1/2011 1:24:49 PM	

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

: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R45692**	Analysis Date:		6/1/2011 1:24:49 PM	
Fluoride	0.5018	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.824	mg/L	0.50	5	0	96.5	90	110			
Nitrogen, Nitrite (As N)	0.9526	mg/L	0.10	1	0	95.3	90	110			
Nitrogen, Nitrate (As N)	2.465	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.417	mg/L	0.20	3.5	0	97.6	90	110			
Phosphorus, Orthophosphate (As P)	4.875	mg/L	0.50	5	0	97.5	90	110			
Sulfate	9.697	mg/L	0.50	10	0	97.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45708**	Analysis Date:		6/2/2011 1:30:47 PM	
Fluoride	0.4936	mg/L	0.10	0.5	0	98.7	90	110			
Chloride	4.864	mg/L	0.50	5	0	97.7	90	110			
Nitrogen, Nitrite (As N)	0.9557	mg/L	0.10	1	0	95.6	90	110			
Nitrogen, Nitrate (As N)	2.491	mg/L	0.10	2.5	0	99.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.446	mg/L	0.20	3.5	0	98.5	90	110			
Phosphorus, Orthophosphate (As P)	5.008	mg/L	0.50	5	0	100	90	110			
Sulfate	9.910	mg/L	0.50	10	0	99.1	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45775**	Analysis Date:		6/7/2011 12:30:57 PM	
Fluoride	0.4763	mg/L	0.10	0.5	0	95.3	90	110			
C[illegible]e	4.815	mg/L	0.50	5	0	96.3	90	110			
, Nitrite (As N)	0.9431	mg/L	0.10	1	0	94.3	90	110			
B[illegible]e	2.516	mg/L	0.10	2.5	0	101	90	110			
Nitrogen, Nitrate (As N)	2.474	mg/L	0.10	2.5	0	99.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.417	mg/L	0.20	3.5	0	97.6	90	110			
Phosphorus, Orthophosphate (As P)	4.361	mg/L	0.50	5	0	87.2	90	110			S
Sulfate	9.995	mg/L	0.50	10	0	99.9	90	110			

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				**Batch ID: R45616**		**Analysis Date: 5/26/2011 9:37:51 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	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

: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					**Batch ID: R45616**		**Analysis Date: 5/26/2011 9:37:51 AM**		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1 'chloropropane	ND	µg/L	2.0								
V oride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*					**Batch ID: R45667**		**Analysis Date: 5/27/2011 9:15:01 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Ch' 'rm	ND	µg/L	1.0								

Qu...iers:

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*									

Batch ID: **R45667** Analysis Date: 5/27/2011 9:15:01 AM

Batch ID: **R45616** Analysis Date: 5/26/2011 10:30:58 AM

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

t: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				**Batch ID: R45616**		Analysis Date: 5/26/2011 10:30:58 AM			
Benzene	21.65	µg/L	1.0	20	0	108	85.2	121			
Toluene	20.60	µg/L	1.0	20	0	103	88.3	121			
Chlorobenzene	20.09	µg/L	1.0	20	0	100	91.9	110			
1,1-Dichloroethene	21.30	µg/L	1.0	20	0	107	91.5	134			
Trichloroethene (TCE)	21.71	µg/L	1.0	20	0	109	78.3	102			S
Sample ID: 100ng lcs		*LCS*				**Batch ID: R45667**		Analysis Date: 5/27/2011 10:06:53 AM			
Benzene	21.81	µg/L	1.0	20	0	109	85.2	121			
Toluene	20.92	µg/L	1.0	20	0	105	88.3	121			
Chlorobenzene	19.67	µg/L	1.0	20	0	98.4	91.9	110			
1,1-Dichloroethene	22.47	µg/L	1.0	20	0	112	91.5	134			
Trichloroethene (TCE)	19.90	µg/L	1.0	20	0	99.5	78.3	102			

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-26962		*MBLK*						**Batch ID: 26962**		**Analysis Date: 5/26/2011 10:51:26 AM**	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	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

t: Western Refining Southwest, Gallup
Project: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-26962		*MBLK*				Batch ID:	**26962**	Analysis Date:		5/26/2011 10:51:26 AM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
`hlorophenol	ND	µg/L	20								
`threne	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-26962		*LCS*				Batch ID:	**26962**	Analysis Date:		5/26/2011 2:56:58 PM	
Acenaphthene	62.86	µg/L	10	100	0	62.9	31.7	107			
4-Chloro-3-methylphenol	110.3	µg/L	10	200	0	55.1	24.4	123			
2-Chlorophenol	98.98	µg/L	10	200	0	49.5	24.7	104			
1,4-Dichlorobenzene	42.20	µg/L	10	100	0	42.2	20.3	95			
2,4-Dinitrotoluene	63.04	µg/L	10	100	0	63.0	22.4	106			
N-Nitrosodi-n-propylamine	54.44	µg/L	10	100	0	54.4	25.3	107			
4-Nitrophenol	74.58	µg/L	10	200	0	37.3	11.6	110			
Pentachlorophenol	112.1	µg/L	20	200	0	56.1	19.5	113			
Phenol	66.74	µg/L	10	200	0	33.4	16.1	69.3			
Pyrene	61.44	µg/L	10	100	0	61.4	38.3	99.3			
1,2,4-Trichlorobenzene	51.42	µg/L	10	100	0	51.4	25	97.3			
Sample ID: lcsd-26962		*LCSD*				Batch ID:	**26962**	Analysis Date:		5/26/2011 3:26:33 PM	
Acenaphthene	65.56	µg/L	10	100	0	65.6	31.7	107	4.20	20	
4-Chloro-3-methylphenol	118.2	µg/L	10	200	0	59.1	24.4	123	6.95	20	
2-Chlorophenol	108.5	µg/L	10	200	0	54.2	24.7	104	9.16	20	
1,4-Dichlorobenzene	46.06	µg/L	10	100	0	46.1	20.3	95	8.75	20	
2 `itrotoluene	67.18	µg/L	10	100	0	67.2	22.4	106	6.36	20	

`lters:

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: Semi-Annual **Work Order:** 1105893

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-26962		*LCSD*				Batch ID:	**26962**	Analysis Date:		5/26/2011 3:26:33 PM	
N-Nitrosodi-n-propylamine	57.30	µg/L	10	100	0	57.3	25.3	107	5.12	20	
4-Nitrophenol	84.70	µg/L	10	200	0	42.4	11.6	110	12.7	20	
Pentachlorophenol	119.3	µg/L	20	200	0	59.7	19.5	113	6.24	20	
Phenol	69.24	µg/L	10	200	0	34.6	16.1	69.3	3.68	20	
Pyrene	66.32	µg/L	10	100	0	66.3	38.3	99.3	7.64	20	
1,2,4-Trichlorobenzene	51.32	µg/L	10	100	0	51.3	25	97.3	0.195	20	
Method: SM2540C MOD: Total Dissolved Solids											
Sample ID: MB-26966		*MBLK*				Batch ID:	**26966**	Analysis Date:		5/26/2011 10:16:00 PM	
Total Dissolved Solids	ND	mg/L	20.0								
Sample ID: LCS-26966		*LCS*				Batch ID:	**26966**	Analysis Date:		5/26/2011 10:16:00 PM	
Total Dissolved Solids	1017	mg/L	20.0	1000	0	102	80	120			

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

ent Name WESTERN REFINING GALLU — Date Received: 5/24/2011

Work Order Number 1105893 — Received by: AT

Checklist completed by: Signature 5/24/11 Date — Sample ID labels checked by: Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH: 4 8
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
er - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☑ 5/24/11	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: ~~Received HNO3~~ CE, COC - ADDED 1mL HNO_3 TO 60mL HNO_3 BOTTLES TO ACHIEVE ACCEPTABLE pH 5/24/11

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: PO Box 7 Gallup NM 87301

Phone #: 505 722 9833

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: Semi - Annual

Project #: Evap Ponds

Project Manager: Cheryl Johnson

Sampler: CJohnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

HEAL No. 1105893

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) + phenols	Gen Chem	COD	Dissolved Metals - Total	Dissolved Metals	Air Bubbles (Y or N)
5/23/11	1050	H2O	EP-1			1										X	X	X	X	X	X	
	1108		EP-2			2																
	1133		EP-6			3																
	1150		EP-9			4																
	1331		EP-8			5																
	1351		EP-7			6																
	1410		EP-11			7																
	1418		EP-12A			8																
	1435		EP-12B			9																
	1455		EP-3			10																
	1508		EP-4			11																
	1518		EP-5			12																

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/24/11	1200			05/24/11	1200
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem: pH, Spec Cond, Anions Cations, TDS
Field Blank-13
Trip Blank-14

If neces ...mples submitted to Hall Environmental may be subcontracted to other accredited laboratories. ...erves as notice of this possibility. Any sub-contracted data will be clearly notated on the analy... ...port.

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

Analysis Request

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, June 16, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: Semi Annual

Order No.: 1105907

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 5/24/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jun-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-EP2
Lab Order:	1105907	**Collection Date:**	5/23/2011 11:20:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105907-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.75	0.10		mg/L	1	5/24/2011 11:32:28 PM
Chloride	69	10		mg/L	20	5/24/2011 11:43:41 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	5/24/2011 11:32:28 PM
Bromide	0.20	0.10		mg/L	1	5/26/2011 1:49:58 PM
Nitrogen, Nitrate (As N)	0.32	0.10		mg/L	1	5/24/2011 11:32:28 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	5/24/2011 11:32:28 PM
Sulfate	1600	25		mg/L	50	5/26/2011 12:57:43 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	3.7	1.0		mg/L	1	6/6/2011 3:26:41 PM
Magnesium	ND	1.0		mg/L	1	6/6/2011 3:26:41 PM
Potassium	2.8	1.0		mg/L	1	6/9/2011 3:56:02 PM
Sodium	1000	50		mg/L	50	6/6/2011 1:04:26 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
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: Semi Annual **Work Order:** 1105907

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R45750**	Analysis Date:		6/6/2011 10:29:05 AM	
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID:	**R45833**	Analysis Date:		6/9/2011 3:26:37 PM	
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R45750**	Analysis Date:		6/6/2011 10:32:10 AM	
Calcium	50.82	mg/L	1.0	50.5	0.0957	100	85	115			
Magnesium	50.38	mg/L	1.0	50.5	0.1012	99.6	85	115			
Potassium	48.40	mg/L	1.0	55	0	88.0	85	115			
Sodium	48.80	mg/L	1.0	50.5	0	96.6	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R45833**	Analysis Date:		6/9/2011	
Calcium	51.64	mg/L	1.0	50.5	0	102	85	115			
Magnesium	51.77	mg/L	1.0	50.5	0.0029	103	85	115			
Potassium	49.42	mg/L	1.0	50.5	0.0981	97.7	85	115			
[illegible]um	50.71	mg/L	1.0	50.5	0.1403	100	85	115			

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: Semi Annual **Work Order:** 11059(

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R45556**	Analysis Date:	5/24/2011 9:19:00 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45556**	Analysis Date:	5/24/2011 4:14:31 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45556**	Analysis Date:	5/25/2011 1:24:44 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R45604**	Analysis Date:	5/26/2011 10:20:59 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:	5/24/2011 9:30:13 AM		
Fluoride	0.5119	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.878	mg/L	0.50	5	0	97.6	90	110			
Nitrogen, Nitrite (As N)	0.9642	mg/L	0.10	1	0	96.4	90	110			
Nitrogen, Nitrate (As N)	2.474	mg/L	0.10	2.5	0	99.0	90	110			
Phosphorus, Orthophosphate (As P)	5.081	mg/L	0.50	5	0	102	90	110			
Sulfate	9.835	mg/L	0.50	10	0	98.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:	5/24/2011 4:25:45 PM		
Fluoride	0.5150	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.885	mg/L	0.50	5	0	97.7	90	110			
Nitrogen, Nitrite (As N)	0.9616	mg/L	0.10	1	0	96.2	90	110			
Bromide	2.395	mg/L	0.10	2.5	0	95.8	90	110			
Nitrogen, Nitrate (As N)	2.498	mg/L	0.10	2.5	0	99.9	90	110			

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

nt: Western Refining Southwest, Gallup
ect: Semi Annual

Work Order: 1105907

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:	5/24/2011 4:25:45 PM		
Phosphorus, Orthophosphate (As P)	5.136	mg/L	0.50	5	0	103	90	110			
Sulfate	9.927	mg/L	0.50	10	0	99.3	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45556**	Analysis Date:	5/25/2011 1:35:58 AM		
Fluoride	0.4235	mg/L	0.10	0.5	0	84.7	90	110			S
Chloride	4.643	mg/L	0.50	5	0	92.9	90	110			
Nitrogen, Nitrite (As N)	0.9154	mg/L	0.10	1	0	91.5	90	110			
Bromide	2.270	mg/L	0.10	2.5	0	90.8	90	110			
Nitrogen, Nitrate (As N)	2.375	mg/L	0.10	2.5	0	95.0	90	110			
Phosphorus, Orthophosphate (As P)	4.667	mg/L	0.50	5	0	93.3	90	110			
Sulfate	9.403	mg/L	0.50	10	0	94.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R45604**	Analysis Date:	5/26/2011 10:38:24 AM		
Fluoride	0.4653	mg/L	0.10	0.5	0	93.1	90	110			
Chloride	4.866	mg/L	0.50	5	0	97.3	90	110			
Nitrogen, Nitrite (As N)	0.9011	mg/L	0.10	1	0	90.1	90	110			
Bromide	2.412	mg/L	0.10	2.5	0	96.5	90	110			
Nitrogen, Nitrate (As N)	2.495	mg/L	0.10	2.5	0	99.8	90	110			
Phosphorus, Orthophosphate (As P)	4.674	mg/L	0.50	5	0	93.5	90	110			
Sulfate	9.729	mg/L	0.50	10	0	97.3	90	110			

fiers:

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: 5/24/2011

Work Order Number 1105907 | Received by: AT

Sample ID labels checked by: _____ Initials

Checklist completed by: Michael Gai Signature 5/24/11 Date

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 2

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1ml ~~H2SO4~~ HNO3 to -01B for acceptable pH. MG 5/24/11 MG 5/24

Spoke with Cheryl Johnson on 5/25/11 at 8:38 am, to verify Project # and Sample Request ID. Project # was changed to BW-EP2. MG 5/25/11

Corrective Action _____

Ch of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box A Gallup NM

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: Semi Annual

Project #: BW-EP12 MG 5/25/11

Project Manager: CJohnson

Sampler: CJohnson

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

Date	Time	Matrix	Sample Request ID (MG 5/25/11)	Container Type and # (MG 5/24/11)	Preservative Type	HEAL No. HO59051	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)	X Major Cations	X Major Anions		Air Bubbles (Y or N)	5-24-11
5/23/11	1120	H2O	BW-EP12	500mL	NONE	-1												X	X			
				125mL	H2SO4																	
			~~Trip Blank~~	500mL	HNO3																	
			~~Field Blank~~																			
			AT																			

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/24/11	1200			05/24/11	1200
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Pot FB & TB on Evap Pond CCC

AT 5/24/11

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, June 01, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: Semi Annual

Order No.: 1105884

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 5/24/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:00:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	71	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:10:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	43	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:12:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	46	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:18:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	27	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:26:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	52	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:31:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	130	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	1.0	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:37:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	170	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	3.0	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:40:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	150	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	1.0	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1105884	**Collection Date:**	5/24/2011 8:50:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	190	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	4.1	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1105884	**Collection Date:**	5/24/2011 9:00:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	190	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	1.0	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1105884	**Collection Date:**	5/24/2011 9:10:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	230	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	648.8	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
- 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: *01-Jun-11*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1105884	**Collection Date:**	5/24/2011 9:20:00 AM
Project:	Semi Annual	**Date Received:**	5/24/2011
Lab ID:	1105884-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	440	2.0		mg/L	1	5/30/2011 5:09:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	1986.3	1.0		CFU/100ml	1	5/25/2011 4:15:00 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
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: Semi Annual **Work Order:** 1105884

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SM5210B: BOD											
Sample ID: MB-26955		*MBLK*				Batch ID:	**26955**	Analysis Date:		5/30/2011 5:09:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-26955		*MBLK*				Batch ID:	**26955**	Analysis Date:		5/30/2011 5:09:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-26955		*LCS*				Batch ID:	**26955**	Analysis Date:		5/30/2011 5:09:00 AM	
Biochemical Oxygen Demand	199.5	mg/L	2.0	198	0	101	84.6	115.4			
Sample ID: LCSD-26955		*LCSD*				Batch ID:	**26955**	Analysis Date:		5/30/2011 5:09:00 AM	
Biochemical Oxygen Demand	198.5	mg/L	2.0	198	0	100	84.6	115.4	0.503	20	
Method: SM 9223B Fecal Indicator: E. coli MPN											
Sample ID: MB-26952		*MBLK*				Batch ID:	**26952**	Analysis Date:		5/25/2011 4:15:00 PM	
E. Coli	< 1	CFU/100	1.0								

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: 5/24/2011

Work Order Number: 1105884 — Received by: AT

Checklist completed by: _____ 05/24/11 — Sample ID labels checked by: MG

Signature — Date — Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		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)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Semi Annual

Project #: Evap Pond

Project Manager: CJohnson

Sampler: CJohnson

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. 1105884	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)
5/24/11	0800	H2O	EP-6			-1												
	0810		EP-9			-2												
	0812		EP-8			-3												
	0818		EP-7			-4												
	0826		EP-11			-5												
	0831		EP-12A			-6												
	0837		EP-12B			-7												
	0840		EP-5			-8												
	0850		EP-4			-9												
	0900		EP-3			-10												
	0910		EP-2			-11												
	0920		EP-1			-12												

Date: 5/24/11 Time: 1200 Relinquished by: _____ Received by: _____ Date: 05/24/11 Time: 1200

Date: _____ Time: _____ Relinquished by: _____ Received by: _____ Date: _____ Time: _____

Remarks: 8270 (Semi-VOA) 5/24/11 Preservative EDB 8081

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, December 01, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: Semi Annual

Order No.: 1111183

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 15 sample(s) on 11/2/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:06:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	240	20		mg/L	200	11/5/2011 3:17:56 AM
Chloride	3000	100		mg/L	200	11/5/2011 3:17:56 AM
Bromide	1.3	0.50		mg/L	5	11/2/2011 5:18:36 PM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	11/8/2011 12:49:31 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	11/2/2011 5:18:36 PM
Sulfate	1200	25		mg/L	50	11/5/2011 3:00:32 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.012	0.0020		mg/L	1	11/9/2011 5:28:34 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 5:28:34 PM
Calcium	22	1.0		mg/L	1	11/9/2011 5:28:34 PM
Chromium	ND	0.0060		mg/L	1	11/9/2011 5:28:34 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 5:28:34 PM
Iron	1.0	0.10		mg/L	5	11/9/2011 5:31:25 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 5:28:34 PM
Magnesium	33	1.0		mg/L	1	11/9/2011 5:28:34 PM
Manganese	0.12	0.0020		mg/L	1	11/9/2011 5:28:34 PM
Potassium	680	100		mg/L	100	11/9/2011 4:41:44 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 5:28:34 PM
Sodium	1400	100		mg/L	100	11/9/2011 4:41:44 PM
Zinc	0.059	0.010		mg/L	1	11/9/2011 5:28:34 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.18	0.0020		mg/L	1	11/7/2011 5:41:04 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:41:04 PM
Chromium	0.013	0.0060		mg/L	1	11/7/2011 5:41:04 PM
Copper	0.021	0.0060		mg/L	1	11/7/2011 5:41:04 PM
Iron	7.3	0.20		mg/L	10	11/8/2011 12:48:09 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:41:04 PM
Manganese	0.14	0.0020		mg/L	1	11/7/2011 5:41:04 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:41:04 PM
Zinc	0.43	0.010		mg/L	1	11/7/2011 5:41:04 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0047	0.0020		mg/L	2	11/15/2011 11:13:39 AM
Selenium	0.015	0.0020		mg/L	2	11/15/2011 11:13:39 AM
Uranium	ND	0.0020		mg/L	2	11/15/2011 11:13:39 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0077	0.0025		mg/L	2.5	11/10/2011 1:16:07 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:06:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0067	0.0025		mg/L	2.5	11/10/2011 1:16:07 PM
Uranium	ND	0.0025		mg/L	2.5	11/10/2011 1:16:07 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.0045	0.00020		mg/L	1	11/11/2011 3:06:38 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Acenaphthylene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Aniline	820	50		µg/L	1	11/9/2011 1:54:33 PM
Anthracene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Azobenzene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Benz(a)anthracene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Benzoic acid	ND	100		µg/L	1	11/9/2011 1:54:33 PM
Benzyl alcohol	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/9/2011 1:54:33 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Carbazole	ND	50		µg/L	1	11/9/2011 1:54:33 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/9/2011 1:54:33 PM
4-Chloroaniline	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2-Chlorophenol	ND	50		µg/L	1	11/9/2011 1:54:33 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Chrysene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Dibenzofuran	ND	50		µg/L	1	11/9/2011 1:54:33 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/9/2011 1:54:33 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:06:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Dimethyl phthalate	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/9/2011 1:54:33 PM
2,4-Dimethylphenol	430	50		µg/L	1	11/9/2011 1:54:33 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/9/2011 1:54:33 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/9/2011 1:54:33 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Fluoranthene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Fluorene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Hexachlorobenzene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Hexachloroethane	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Isophorone	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
1-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2-Methylphenol	2500	500		µg/L	10	11/9/2011 9:43:45 PM
3+4-Methylphenol	5000	500		µg/L	10	11/9/2011 9:43:45 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/9/2011 1:54:33 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/9/2011 1:54:33 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Naphthalene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2-Nitroaniline	ND	50		µg/L	1	11/9/2011 1:54:33 PM
3-Nitroaniline	ND	50		µg/L	1	11/9/2011 1:54:33 PM
4-Nitroaniline	ND	100		µg/L	1	11/9/2011 1:54:33 PM
Nitrobenzene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2-Nitrophenol	ND	50		µg/L	1	11/9/2011 1:54:33 PM
4-Nitrophenol	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Pentachlorophenol	ND	100		µg/L	1	11/9/2011 1:54:33 PM
Phenanthrene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Phenol	9700	500		µg/L	10	11/9/2011 9:43:45 PM
Pyrene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Pyridine	ND	50		µg/L	1	11/9/2011 1:54:33 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/9/2011 1:54:33 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/9/2011 1:54:33 PM
Surr: 2,4,6-Tribromophenol	80.1	18.1-138		%REC	1	11/9/2011 1:54:33 PM
Surr: 2-Fluorobiphenyl	74.0	25.9-101		%REC	1	11/9/2011 1:54:33 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:06:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	63.4	12.5-93.2		%REC	1	11/9/2011 1:54:33 PM
Surr: 4-Terphenyl-d14	82.7	29.5-112		%REC	1	11/9/2011 1:54:33 PM
Surr: Nitrobenzene-d5	82.4	20.5-120		%REC	1	11/9/2011 1:54:33 PM
Surr: Phenol-d5	51.3	11.3-73.2		%REC	1	11/9/2011 1:54:33 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Toluene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Ethylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Naphthalene	ND	20		µg/L	10	11/9/2011 6:48:42 PM
1-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 6:48:42 PM
2-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 6:48:42 PM
Acetone	1400	100		µg/L	10	11/9/2011 6:48:42 PM
Bromobenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Bromodichloromethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Bromoform	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Bromomethane	ND	30		µg/L	10	11/9/2011 6:48:42 PM
2-Butanone	180	100		µg/L	10	11/9/2011 6:48:42 PM
Carbon disulfide	ND	100		µg/L	10	11/9/2011 6:48:42 PM
Carbon Tetrachloride	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Chlorobenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Chloroethane	ND	20		µg/L	10	11/9/2011 6:48:42 PM
Chloroform	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Chloromethane	ND	30		µg/L	10	11/9/2011 6:48:42 PM
2-Chlorotoluene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
4-Chlorotoluene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
cis-1,2-DCE	ND	10		µg/L	10	11/9/2011 6:48:42 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/9/2011 6:48:42 PM
Dibromochloromethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Dibromomethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Dichlorodifluoromethane	ND	10		µg/L	10	11/9/2011 6:48:42 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:06:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,1-Dichloroethene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2-Dichloropropane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,3-Dichloropropane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
2,2-Dichloropropane	ND	20		µg/L	10	11/9/2011 6:48:42 PM
1,1-Dichloropropene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Hexachlorobutadiene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
2-Hexanone	ND	100		µg/L	10	11/9/2011 6:48:42 PM
Isopropylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
4-Isopropyltoluene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/9/2011 6:48:42 PM
Methylene Chloride	ND	30		µg/L	10	11/9/2011 6:48:42 PM
n-Butylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
n-Propylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
sec-Butylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Styrene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
tert-Butylbenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/9/2011 6:48:42 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/9/2011 6:48:42 PM
trans-1,2-DCE	ND	10		µg/L	10	11/9/2011 6:48:42 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Trichloroethene (TCE)	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Trichlorofluoromethane	ND	10		µg/L	10	11/9/2011 6:48:42 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/9/2011 6:48:42 PM
Vinyl chloride	ND	10		µg/L	10	11/9/2011 6:48:42 PM
Xylenes, Total	ND	15		µg/L	10	11/9/2011 6:48:42 PM
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%REC	10	11/9/2011 6:48:42 PM
Surr: 4-Bromofluorobenzene	110	73-131		%REC	10	11/9/2011 6:48:42 PM
Surr: Dibromofluoromethane	93.8	70-130		%REC	10	11/9/2011 6:48:42 PM
Surr: Toluene-d8	97.6	70-130		%REC	10	11/9/2011 6:48:42 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	12000	0.50		µmhos/cm	50	11/14/2011 1:36:00 PM
SM4500-H+B: PH						Analyst: **IC**

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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:06:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	8.71	0.100	H	pH units	1	11/14/2011 11:54:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:26:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	43	5.0		mg/L	50	11/5/2011 3:35:21 AM
Chloride	6400	250		mg/L	500	11/5/2011 3:52:46 AM
Bromide	1.2	0.50		mg/L	5	11/5/2011 4:44:59 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 8:45:44 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	11/2/2011 5:53:26 PM
Sulfate	1600	25		mg/L	50	11/5/2011 3:35:21 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.053	0.0020		mg/L	1	11/9/2011 5:36:17 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 5:36:17 PM
Calcium	210	5.0		mg/L	5	11/9/2011 5:38:44 PM
Chromium	ND	0.0060		mg/L	1	11/9/2011 5:36:17 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 5:36:17 PM
Iron	1.3	0.10		mg/L	5	11/9/2011 5:38:44 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 5:36:17 PM
Magnesium	110	5.0		mg/L	5	11/9/2011 5:38:44 PM
Manganese	0.12	0.0020		mg/L	1	11/9/2011 5:36:17 PM
Potassium	570	100		mg/L	100	11/9/2011 4:44:40 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 5:36:17 PM
Sodium	2100	100		mg/L	100	11/9/2011 4:44:40 PM
Zinc	0.030	0.010		mg/L	1	11/9/2011 5:36:17 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.061	0.0020		mg/L	1	11/7/2011 5:43:46 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:43:46 PM
Chromium	0.0069	0.0060		mg/L	1	11/7/2011 5:43:46 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:43:46 PM
Iron	2.6	0.10		mg/L	5	11/8/2011 12:50:40 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:43:46 PM
Manganese	0.12	0.0020		mg/L	1	11/7/2011 5:43:46 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:43:46 PM
Zinc	0.060	0.010		mg/L	1	11/7/2011 5:43:46 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0066	0.0050		mg/L	5	11/15/2011 11:15:40 AM
Selenium	0.0056	0.0050		mg/L	5	11/15/2011 11:15:40 AM
Uranium	ND	0.0050		mg/L	5	11/15/2011 11:15:40 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0076	0.0050		mg/L	5	11/10/2011 1:18:08 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:26:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0065	0.0050		mg/L	5	11/10/2011 1:18:08 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:18:08 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.00055	0.00020		mg/L	1	11/9/2011 12:03:20 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Acenaphthylene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Aniline	210	50		µg/L	1	11/9/2011 2:24:18 PM
Anthracene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Azobenzene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Benz(a)anthracene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Benzoic acid	ND	100		µg/L	1	11/9/2011 2:24:18 PM
Benzyl alcohol	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/9/2011 2:24:18 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Carbazole	ND	50		µg/L	1	11/9/2011 2:24:18 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/9/2011 2:24:18 PM
4-Chloroaniline	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2-Chlorophenol	ND	50		µg/L	1	11/9/2011 2:24:18 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Chrysene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Dibenzofuran	ND	50		µg/L	1	11/9/2011 2:24:18 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/9/2011 2:24:18 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:26:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Dimethyl phthalate	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/9/2011 2:24:18 PM
2,4-Dimethylphenol	160	50		µg/L	1	11/9/2011 2:24:18 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/9/2011 2:24:18 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/9/2011 2:24:18 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Fluoranthene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Fluorene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Hexachlorobenzene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Hexachloroethane	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Isophorone	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
1-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2-Methylphenol	1100	50		µg/L	1	11/9/2011 2:24:18 PM
3+4-Methylphenol	1500	250		µg/L	5	11/9/2011 10:12:33 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/9/2011 2:24:18 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/9/2011 2:24:18 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Naphthalene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2-Nitroaniline	ND	50		µg/L	1	11/9/2011 2:24:18 PM
3-Nitroaniline	ND	50		µg/L	1	11/9/2011 2:24:18 PM
4-Nitroaniline	ND	100		µg/L	1	11/9/2011 2:24:18 PM
Nitrobenzene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2-Nitrophenol	ND	50		µg/L	1	11/9/2011 2:24:18 PM
4-Nitrophenol	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Pentachlorophenol	ND	100		µg/L	1	11/9/2011 2:24:18 PM
Phenanthrene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Phenol	2900	250		µg/L	5	11/9/2011 10:12:33 PM
Pyrene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Pyridine	ND	50		µg/L	1	11/9/2011 2:24:18 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/9/2011 2:24:18 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/9/2011 2:24:18 PM
Surr: 2,4,6-Tribromophenol	77.2	18.1-138		%REC	1	11/9/2011 2:24:18 PM
Surr: 2-Fluorobiphenyl	60.4	25.9-101		%REC	1	11/9/2011 2:24:18 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:26:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: 2-Fluorophenol	50.3	12.5-93.2		%REC	1	11/9/2011 2:24:18 PM
Surr: 4-Terphenyl-d14	79.6	29.5-112		%REC	1	11/9/2011 2:24:18 PM
Surr: Nitrobenzene-d5	66.5	20.5-120		%REC	1	11/9/2011 2:24:18 PM
Surr: Phenol-d5	43.2	11.3-73.2		%REC	1	11/9/2011 2:24:18 PM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Toluene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Ethylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Naphthalene	ND	20		µg/L	10	11/9/2011 8:16:04 PM
1-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 8:16:04 PM
2-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 8:16:04 PM
Acetone	110	100		µg/L	10	11/9/2011 8:16:04 PM
Bromobenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Bromodichloromethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Bromoform	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Bromomethane	ND	30		µg/L	10	11/9/2011 8:16:04 PM
2-Butanone	ND	100		µg/L	10	11/9/2011 8:16:04 PM
Carbon disulfide	ND	100		µg/L	10	11/9/2011 8:16:04 PM
Carbon Tetrachloride	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Chlorobenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Chloroethane	ND	20		µg/L	10	11/9/2011 8:16:04 PM
Chloroform	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Chloromethane	ND	30		µg/L	10	11/9/2011 8:16:04 PM
2-Chlorotoluene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
4-Chlorotoluene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
cis-1,2-DCE	ND	10		µg/L	10	11/9/2011 8:16:04 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/9/2011 8:16:04 PM
Dibromochloromethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Dibromomethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Dichlorodifluoromethane	ND	10		µg/L	10	11/9/2011 8:16:04 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:26:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,1-Dichloroethene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2-Dichloropropane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,3-Dichloropropane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
2,2-Dichloropropane	ND	20		µg/L	10	11/9/2011 8:16:04 PM
1,1-Dichloropropene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Hexachlorobutadiene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
2-Hexanone	ND	100		µg/L	10	11/9/2011 8:16:04 PM
Isopropylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
4-Isopropyltoluene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/9/2011 8:16:04 PM
Methylene Chloride	ND	30		µg/L	10	11/9/2011 8:16:04 PM
n-Butylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
n-Propylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
sec-Butylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Styrene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
tert-Butylbenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/9/2011 8:16:04 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/9/2011 8:16:04 PM
trans-1,2-DCE	ND	10		µg/L	10	11/9/2011 8:16:04 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Trichloroethene (TCE)	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Trichlorofluoromethane	ND	10		µg/L	10	11/9/2011 8:16:04 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/9/2011 8:16:04 PM
Vinyl chloride	ND	10		µg/L	10	11/9/2011 8:16:04 PM
Xylenes, Total	ND	15		µg/L	10	11/9/2011 8:16:04 PM
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%REC	10	11/9/2011 8:16:04 PM
Surr: 4-Bromofluorobenzene	96.9	73-131		%REC	10	11/9/2011 8:16:04 PM
Surr: Dibromofluoromethane	99.2	70-130		%REC	10	11/9/2011 8:16:04 PM
Surr: Toluene-d8	97.7	70-130		%REC	10	11/9/2011 8:16:04 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	17000	0.50		µmhos/cm	50	11/14/2011 1:40:00 PM
SM4500-H+B: PH						Analyst: **IC**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:26:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: **IC**
pH	8.24	0.100	H	pH units	1	11/14/2011 11:58:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:40:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	39	2.0		mg/L	20	11/2/2011 6:45:41 PM
Chloride	4300	250		mg/L	500	11/5/2011 5:37:12 AM
Bromide	ND	2.0		mg/L	20	11/2/2011 6:45:41 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 9:03:09 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	11/2/2011 6:28:16 PM
Sulfate	1600	25		mg/L	50	11/5/2011 5:19:48 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.073	0.0020		mg/L	1	11/9/2011 5:42:02 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 5:42:02 PM
Calcium	210	5.0		mg/L	5	11/9/2011 5:44:29 PM
Chromium	ND	0.0060		mg/L	1	11/9/2011 5:42:02 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 5:42:02 PM
Iron	0.78	0.020		mg/L	1	11/9/2011 5:42:02 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 5:42:02 PM
Magnesium	110	5.0		mg/L	5	11/9/2011 5:44:29 PM
Manganese	0.20	0.0020		mg/L	1	11/9/2011 5:42:02 PM
Potassium	570	100		mg/L	100	11/9/2011 4:47:30 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 5:42:02 PM
Sodium	2300	100		mg/L	100	11/9/2011 4:47:30 PM
Zinc	0.022	0.010		mg/L	1	11/9/2011 5:42:02 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.077	0.0020		mg/L	1	11/7/2011 5:46:13 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:46:13 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 5:46:13 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:46:13 PM
Iron	1.2	0.10		mg/L	5	11/8/2011 12:53:56 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:46:13 PM
Manganese	0.21	0.0020		mg/L	1	11/7/2011 5:46:13 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:46:13 PM
Zinc	0.024	0.010		mg/L	1	11/7/2011 5:46:13 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0086	0.0050		mg/L	5	11/15/2011 11:17:41 AM
Selenium	0.0084	0.0050		mg/L	5	11/15/2011 11:17:41 AM
Uranium	ND	0.0050		mg/L	5	11/15/2011 11:17:41 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0087	0.0050		mg/L	5	11/10/2011 1:20:10 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:40:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0078	0.0050		mg/L	5	11/10/2011 1:20:10 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:20:10 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.00022	0.00020		mg/L	1	11/9/2011 12:05:06 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Acenaphthylene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Aniline	67	50		µg/L	1	11/9/2011 2:54:00 PM
Anthracene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Azobenzene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Benz(a)anthracene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Benzoic acid	ND	100		µg/L	1	11/9/2011 2:54:00 PM
Benzyl alcohol	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/9/2011 2:54:00 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Carbazole	ND	50		µg/L	1	11/9/2011 2:54:00 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/9/2011 2:54:00 PM
4-Chloroaniline	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2-Chlorophenol	ND	50		µg/L	1	11/9/2011 2:54:00 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Chrysene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Dibenzofuran	ND	50		µg/L	1	11/9/2011 2:54:00 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/9/2011 2:54:00 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:40:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Dimethyl phthalate	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/9/2011 2:54:00 PM
2,4-Dimethylphenol	110	50		µg/L	1	11/9/2011 2:54:00 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/9/2011 2:54:00 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/9/2011 2:54:00 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Fluoranthene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Fluorene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Hexachlorobenzene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Hexachloroethane	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Isophorone	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
1-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2-Methylphenol	640	50		µg/L	1	11/9/2011 2:54:00 PM
3+4-Methylphenol	840	50		µg/L	1	11/9/2011 2:54:00 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/9/2011 2:54:00 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/9/2011 2:54:00 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Naphthalene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2-Nitroaniline	ND	50		µg/L	1	11/9/2011 2:54:00 PM
3-Nitroaniline	ND	50		µg/L	1	11/9/2011 2:54:00 PM
4-Nitroaniline	ND	100		µg/L	1	11/9/2011 2:54:00 PM
Nitrobenzene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2-Nitrophenol	ND	50		µg/L	1	11/9/2011 2:54:00 PM
4-Nitrophenol	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Pentachlorophenol	ND	100		µg/L	1	11/9/2011 2:54:00 PM
Phenanthrene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Phenol	1100	100		µg/L	2	11/9/2011 10:41:33 PM
Pyrene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Pyridine	ND	50		µg/L	1	11/9/2011 2:54:00 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/9/2011 2:54:00 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/9/2011 2:54:00 PM
Surr: 2,4,6-Tribromophenol	75.8	18.1-138		%REC	1	11/9/2011 2:54:00 PM
Surr: 2-Fluorobiphenyl	64.7	25.9-101		%REC	1	11/9/2011 2:54:00 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:40:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	40.7	12.5-93.2		%REC	1	11/9/2011 2:54:00 PM
Surr: 4-Terphenyl-d14	88.6	29.5-112		%REC	1	11/9/2011 2:54:00 PM
Surr: Nitrobenzene-d5	76.4	20.5-120		%REC	1	11/9/2011 2:54:00 PM
Surr: Phenol-d5	41.8	11.3-73.2		%REC	1	11/9/2011 2:54:00 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Toluene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Ethylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Naphthalene	ND	20		µg/L	10	11/9/2011 8:45:00 PM
1-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 8:45:00 PM
2-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 8:45:00 PM
Acetone	110	100		µg/L	10	11/9/2011 8:45:00 PM
Bromobenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Bromodichloromethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Bromoform	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Bromomethane	ND	30		µg/L	10	11/9/2011 8:45:00 PM
2-Butanone	ND	100		µg/L	10	11/9/2011 8:45:00 PM
Carbon disulfide	ND	100		µg/L	10	11/9/2011 8:45:00 PM
Carbon Tetrachloride	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Chlorobenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Chloroethane	ND	20		µg/L	10	11/9/2011 8:45:00 PM
Chloroform	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Chloromethane	ND	30		µg/L	10	11/9/2011 8:45:00 PM
2-Chlorotoluene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
4-Chlorotoluene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
cis-1,2-DCE	ND	10		µg/L	10	11/9/2011 8:45:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/9/2011 8:45:00 PM
Dibromochloromethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Dibromomethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Dichlorodifluoromethane	ND	10		µg/L	10	11/9/2011 8:45:00 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
- 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:40:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,1-Dichloroethene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2-Dichloropropane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,3-Dichloropropane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
2,2-Dichloropropane	ND	20		µg/L	10	11/9/2011 8:45:00 PM
1,1-Dichloropropene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Hexachlorobutadiene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
2-Hexanone	ND	100		µg/L	10	11/9/2011 8:45:00 PM
Isopropylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
4-Isopropyltoluene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/9/2011 8:45:00 PM
Methylene Chloride	ND	30		µg/L	10	11/9/2011 8:45:00 PM
n-Butylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
n-Propylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
sec-Butylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Styrene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
tert-Butylbenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/9/2011 8:45:00 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/9/2011 8:45:00 PM
trans-1,2-DCE	ND	10		µg/L	10	11/9/2011 8:45:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Trichloroethene (TCE)	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Trichlorofluoromethane	ND	10		µg/L	10	11/9/2011 8:45:00 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/9/2011 8:45:00 PM
Vinyl chloride	ND	10		µg/L	10	11/9/2011 8:45:00 PM
Xylenes, Total	ND	15		µg/L	10	11/9/2011 8:45:00 PM
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%REC	10	11/9/2011 8:45:00 PM
Surr: 4-Bromofluorobenzene	98.5	73-131		%REC	10	11/9/2011 8:45:00 PM
Surr: Dibromofluoromethane	93.3	70-130		%REC	10	11/9/2011 8:45:00 PM
Surr: Toluene-d8	96.4	70-130		%REC	10	11/9/2011 8:45:00 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	18000	0.50		µmhos/cm	50	11/14/2011 1:44:00 PM
SM4500-H+B: PH						Analyst: **IC**

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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111183	**Collection Date:**	11/1/2011 9:40:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	7.76	0.100	H	pH units	1	11/14/2011 12:02:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	26	2.0		mg/L	20	11/2/2011 7:20:30 PM
Chloride	4300	250		mg/L	500	11/5/2011 6:12:02 AM
Bromide	1.5	0.50		mg/L	5	11/2/2011 7:03:06 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 9:20:34 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	11/2/2011 7:03:06 PM
Sulfate	1600	25		mg/L	50	11/5/2011 5:54:37 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.085	0.0020		mg/L	1	11/9/2011 5:47:49 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 5:47:49 PM
Calcium	220	5.0		mg/L	5	11/9/2011 5:50:45 PM
Chromium	0.0070	0.0060		mg/L	1	11/9/2011 5:47:49 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 5:47:49 PM
Iron	0.30	0.020		mg/L	1	11/9/2011 5:47:49 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 5:47:49 PM
Magnesium	110	5.0		mg/L	5	11/9/2011 5:50:45 PM
Manganese	0.24	0.0020		mg/L	1	11/9/2011 5:47:49 PM
Potassium	490	5.0		mg/L	5	11/9/2011 5:50:45 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 5:47:49 PM
Sodium	2900	100		mg/L	100	11/9/2011 4:50:32 PM
Zinc	ND	0.010		mg/L	1	11/9/2011 5:47:49 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.094	0.0020		mg/L	1	11/7/2011 5:48:40 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:48:40 PM
Chromium	0.0085	0.0060		mg/L	1	11/7/2011 5:48:40 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:48:40 PM
Iron	0.39	0.020		mg/L	1	11/7/2011 5:48:40 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:48:40 PM
Manganese	0.27	0.0020		mg/L	1	11/7/2011 5:48:40 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:48:40 PM
Zinc	0.010	0.010		mg/L	1	11/7/2011 5:48:40 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0098	0.0050		mg/L	5	11/15/2011 11:19:43 AM
Selenium	0.0075	0.0050		mg/L	5	11/15/2011 11:19:43 AM
Uranium	ND	0.0050		mg/L	5	11/15/2011 11:19:43 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.011	0.0050		mg/L	5	11/10/2011 1:22:11 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0069	0.0050		mg/L	5	11/10/2011 1:22:11 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:22:11 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 12:06:53 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Acenaphthylene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Aniline	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Anthracene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Azobenzene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Benz(a)anthracene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Benzoic acid	ND	100		µg/L	1	11/9/2011 3:23:46 PM
Benzyl alcohol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/9/2011 3:23:46 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Carbazole	ND	50		µg/L	1	11/9/2011 3:23:46 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
4-Chloroaniline	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2-Chlorophenol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Chrysene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Dibenzofuran	ND	50		µg/L	1	11/9/2011 3:23:46 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/9/2011 3:23:46 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Dimethyl phthalate	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/9/2011 3:23:46 PM
2,4-Dimethylphenol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/9/2011 3:23:46 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/9/2011 3:23:46 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Fluoranthene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Fluorene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Hexachlorobenzene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Hexachloroethane	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Isophorone	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
1-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2-Methylphenol	100	50		µg/L	1	11/9/2011 3:23:46 PM
3+4-Methylphenol	89	50		µg/L	1	11/9/2011 3:23:46 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/9/2011 3:23:46 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/9/2011 3:23:46 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Naphthalene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2-Nitroaniline	ND	50		µg/L	1	11/9/2011 3:23:46 PM
3-Nitroaniline	ND	50		µg/L	1	11/9/2011 3:23:46 PM
4-Nitroaniline	ND	100		µg/L	1	11/9/2011 3:23:46 PM
Nitrobenzene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2-Nitrophenol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
4-Nitrophenol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Pentachlorophenol	ND	100		µg/L	1	11/9/2011 3:23:46 PM
Phenanthrene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Phenol	52	50		µg/L	1	11/9/2011 3:23:46 PM
Pyrene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Pyridine	ND	50		µg/L	1	11/9/2011 3:23:46 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/9/2011 3:23:46 PM
Surr: 2,4,6-Tribromophenol	59.4	18.1-138		%REC	1	11/9/2011 3:23:46 PM
Surr: 2-Fluorobiphenyl	47.4	25.9-101		%REC	1	11/9/2011 3:23:46 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	31.7	12.5-93.2		%REC	1	11/9/2011 3:23:46 PM
Surr: 4-Terphenyl-d14	81.2	29.5-112		%REC	1	11/9/2011 3:23:46 PM
Surr: Nitrobenzene-d5	58.4	20.5-120		%REC	1	11/9/2011 3:23:46 PM
Surr: Phenol-d5	26.8	11.3-73.2		%REC	1	11/9/2011 3:23:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Toluene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Ethylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Naphthalene	ND	20		µg/L	10	11/9/2011 9:14:08 PM
1-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 9:14:08 PM
2-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 9:14:08 PM
Acetone	ND	100		µg/L	10	11/9/2011 9:14:08 PM
Bromobenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Bromodichloromethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Bromoform	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Bromomethane	ND	30		µg/L	10	11/9/2011 9:14:08 PM
2-Butanone	ND	100		µg/L	10	11/9/2011 9:14:08 PM
Carbon disulfide	ND	100		µg/L	10	11/9/2011 9:14:08 PM
Carbon Tetrachloride	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Chlorobenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Chloroethane	ND	20		µg/L	10	11/9/2011 9:14:08 PM
Chloroform	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Chloromethane	ND	30		µg/L	10	11/9/2011 9:14:08 PM
2-Chlorotoluene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
4-Chlorotoluene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
cis-1,2-DCE	ND	10		µg/L	10	11/9/2011 9:14:08 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/9/2011 9:14:08 PM
Dibromochloromethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Dibromomethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Dichlorodifluoromethane	ND	10		µg/L	10	11/9/2011 9:14:08 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,1-Dichloroethene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2-Dichloropropane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,3-Dichloropropane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
2,2-Dichloropropane	ND	20		µg/L	10	11/9/2011 9:14:08 PM
1,1-Dichloropropene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Hexachlorobutadiene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
2-Hexanone	ND	100		µg/L	10	11/9/2011 9:14:08 PM
Isopropylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
4-Isopropyltoluene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/9/2011 9:14:08 PM
Methylene Chloride	ND	30		µg/L	10	11/9/2011 9:14:08 PM
n-Butylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
n-Propylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
sec-Butylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Styrene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
tert-Butylbenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/9/2011 9:14:08 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/9/2011 9:14:08 PM
trans-1,2-DCE	ND	10		µg/L	10	11/9/2011 9:14:08 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Trichloroethene (TCE)	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Trichlorofluoromethane	ND	10		µg/L	10	11/9/2011 9:14:08 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/9/2011 9:14:08 PM
Vinyl chloride	ND	10		µg/L	10	11/9/2011 9:14:08 PM
Xylenes, Total	ND	15		µg/L	10	11/9/2011 9:14:08 PM
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%REC	10	11/9/2011 9:14:08 PM
Surr: 4-Bromofluorobenzene	102	73-131		%REC	10	11/9/2011 9:14:08 PM
Surr: Dibromofluoromethane	99.2	70-130		%REC	10	11/9/2011 9:14:08 PM
Surr: Toluene-d8	98.3	70-130		%REC	10	11/9/2011 9:14:08 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	21000	0.50		µmhos/cm	50	11/14/2011 1:49:00 PM
SM4500-H+B: PH						Analyst: **IC**

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: *01-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	7.74	0.100	H	pH units	1	11/14/2011 12:07:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	24	2.0		mg/L	20	11/2/2011 8:30:08 PM
Chloride	6900	500		mg/L	1000	11/5/2011 6:46:52 AM
Bromide	2.1	0.50		mg/L	5	11/2/2011 8:12:44 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 9:37:59 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/5/2011 7:04:17 AM
Sulfate	2300	25		mg/L	50	11/5/2011 6:29:27 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.11	0.0020		mg/L	1	11/9/2011 6:02:54 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 6:02:54 PM
Calcium	230	5.0		mg/L	5	11/9/2011 6:06:00 PM
Chromium	0.014	0.0060		mg/L	1	11/9/2011 6:02:54 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 6:02:54 PM
Iron	0.076	0.020		mg/L	1	11/9/2011 6:02:54 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 6:02:54 PM
Magnesium	140	5.0		mg/L	5	11/9/2011 6:06:00 PM
Manganese	0.19	0.0020		mg/L	1	11/9/2011 6:02:54 PM
Potassium	250	100		mg/L	100	11/9/2011 4:53:31 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 6:02:54 PM
Sodium	4400	100		mg/L	100	11/9/2011 4:53:31 PM
Zinc	0.011	0.010		mg/L	1	11/9/2011 6:02:54 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.11	0.0020		mg/L	1	11/7/2011 5:51:39 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:51:39 PM
Chromium	0.015	0.0060		mg/L	1	11/7/2011 5:51:39 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:51:39 PM
Iron	0.15	0.020		mg/L	1	11/7/2011 5:51:39 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:51:39 PM
Manganese	0.21	0.0020		mg/L	1	11/7/2011 5:51:39 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:51:39 PM
Zinc	ND	0.010		mg/L	1	11/7/2011 5:51:39 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.020	0.010		mg/L	10	11/15/2011 11:21:44 AM
Selenium	0.011	0.010		mg/L	10	11/15/2011 11:21:44 AM
Uranium	ND	0.010		mg/L	10	11/15/2011 11:21:44 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.017	0.0050		mg/L	5	11/10/2011 1:24:12 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: SNV
Selenium	0.0089	0.0050		mg/L	5	11/10/2011 1:24:12 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:24:12 PM
EPA METHOD 245.1: MERCURY						Analyst: JLF
Mercury	ND	0.00020		mg/L	1	11/9/2011 12:08:40 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Aniline	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Anthracene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Azobenzene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Benzoic acid	ND	20		µg/L	1	11/9/2011 3:53:27 PM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/9/2011 3:53:27 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Carbazole	ND	10		µg/L	1	11/9/2011 3:53:27 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Chrysene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 3:53:27 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 3:53:27 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.

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 3:53:27 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 3:53:27 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 3:53:27 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Fluoranthene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Fluorene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Isophorone	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2-Methylphenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
3+4-Methylphenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 3:53:27 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 3:53:27 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Naphthalene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 3:53:27 PM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 3:53:27 PM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 3:53:27 PM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 3:53:27 PM
Phenanthrene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Phenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Pyrene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Pyridine	ND	10		µg/L	1	11/9/2011 3:53:27 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 3:53:27 PM
Surr: 2,4,6-Tribromophenol	47.1	18.1-138		%REC	1	11/9/2011 3:53:27 PM
Surr: 2-Fluorobiphenyl	49.3	25.9-101		%REC	1	11/9/2011 3:53:27 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	28.0	12.5-93.2		%REC	1	11/9/2011 3:53:27 PM
Surr: 4-Terphenyl-d14	71.1	29.5-112		%REC	1	11/9/2011 3:53:27 PM
Surr: Nitrobenzene-d5	48.3	20.5-120		%REC	1	11/9/2011 3:53:27 PM
Surr: Phenol-d5	36.0	11.3-73.2		%REC	1	11/9/2011 3:53:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Toluene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Ethylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Naphthalene	ND	20		µg/L	10	11/9/2011 9:43:15 PM
1-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 9:43:15 PM
2-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 9:43:15 PM
Acetone	ND	100		µg/L	10	11/9/2011 9:43:15 PM
Bromobenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Bromodichloromethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Bromoform	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Bromomethane	ND	30		µg/L	10	11/9/2011 9:43:15 PM
2-Butanone	ND	100		µg/L	10	11/9/2011 9:43:15 PM
Carbon disulfide	ND	100		µg/L	10	11/9/2011 9:43:15 PM
Carbon Tetrachloride	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Chlorobenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Chloroethane	ND	20		µg/L	10	11/9/2011 9:43:15 PM
Chloroform	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Chloromethane	ND	30		µg/L	10	11/9/2011 9:43:15 PM
2-Chlorotoluene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
4-Chlorotoluene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
cis-1,2-DCE	ND	10		µg/L	10	11/9/2011 9:43:15 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/9/2011 9:43:15 PM
Dibromochloromethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Dibromomethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Dichlorodifluoromethane	ND	10		µg/L	10	11/9/2011 9:43:15 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,1-Dichloroethene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2-Dichloropropane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,3-Dichloropropane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
2,2-Dichloropropane	ND	20		µg/L	10	11/9/2011 9:43:15 PM
1,1-Dichloropropene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Hexachlorobutadiene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
2-Hexanone	ND	100		µg/L	10	11/9/2011 9:43:15 PM
Isopropylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
4-Isopropyltoluene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/9/2011 9:43:15 PM
Methylene Chloride	ND	30		µg/L	10	11/9/2011 9:43:15 PM
n-Butylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
n-Propylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
sec-Butylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Styrene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
tert-Butylbenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/9/2011 9:43:15 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/9/2011 9:43:15 PM
trans-1,2-DCE	ND	10		µg/L	10	11/9/2011 9:43:15 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Trichloroethene (TCE)	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Trichlorofluoromethane	ND	10		µg/L	10	11/9/2011 9:43:15 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/9/2011 9:43:15 PM
Vinyl chloride	ND	10		µg/L	10	11/9/2011 9:43:15 PM
Xylenes, Total	ND	15		µg/L	10	11/9/2011 9:43:15 PM
Surr: 1,2-Dichloroethane-d4	95.7	70-130		%REC	10	11/9/2011 9:43:15 PM
Surr: 4-Bromofluorobenzene	101	73-131		%REC	10	11/9/2011 9:43:15 PM
Surr: Dibromofluoromethane	97.5	70-130		%REC	10	11/9/2011 9:43:15 PM
Surr: Toluene-d8	98.0	70-130		%REC	10	11/9/2011 9:43:15 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	26000	0.50		µmhos/cm	50	11/14/2011 1:57:00 PM
SM4500-H+B: PH						Analyst: **IC**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: **IC**
pH	7.94	0.100	H	pH units	1	11/14/2011 12:15:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:52:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	46	5.0		mg/L	50	11/2/2011 9:04:58 PM
Chloride	2700	250		mg/L	500	11/8/2011 9:08:05 PM
Bromide	1.5	1.0		mg/L	10	11/2/2011 8:47:33 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 9:55:24 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	11/5/2011 8:13:55 AM
Sulfate	1700	100		mg/L	200	11/5/2011 8:48:45 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.042	0.0020		mg/L	1	11/9/2011 6:10:46 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 6:10:46 PM
Calcium	140	5.0		mg/L	5	11/9/2011 6:13:11 PM
Chromium	0.0065	0.0060		mg/L	1	11/9/2011 6:10:46 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 6:10:46 PM
Iron	1.1	0.10		mg/L	5	11/9/2011 6:13:11 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 6:10:46 PM
Magnesium	78	1.0		mg/L	1	11/9/2011 6:10:46 PM
Manganese	0.11	0.0020		mg/L	1	11/9/2011 6:10:46 PM
Potassium	640	100		mg/L	100	11/9/2011 4:56:34 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 6:10:46 PM
Sodium	1900	100		mg/L	100	11/9/2011 4:56:34 PM
Zinc	0.044	0.010		mg/L	1	11/9/2011 6:10:46 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.059	0.0020		mg/L	1	11/7/2011 5:54:47 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 5:54:47 PM
Chromium	0.0080	0.0060		mg/L	1	11/7/2011 5:54:47 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 5:54:47 PM
Iron	3.9	0.10		mg/L	5	11/8/2011 12:57:14 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 5:54:47 PM
Manganese	0.11	0.0020		mg/L	1	11/7/2011 5:54:47 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 5:54:47 PM
Zinc	0.12	0.010		mg/L	1	11/7/2011 5:54:47 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0058	0.0020		mg/L	2	11/15/2011 11:23:46 AM
Selenium	0.0057	0.0020		mg/L	2	11/15/2011 11:23:46 AM
Uranium	ND	0.0020		mg/L	2	11/15/2011 11:23:46 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0083	0.0050		mg/L	5	11/10/2011 1:26:13 PM

Qualifiers:

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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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:52:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0062	0.0050		mg/L	5	11/10/2011 1:26:13 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:26:13 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.0015	0.00020		mg/L	1	11/9/2011 12:10:27 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Acenaphthylene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Aniline	250	50		µg/L	1	11/9/2011 4:23:04 PM
Anthracene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Azobenzene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Benz(a)anthracene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Benzoic acid	ND	100		µg/L	1	11/9/2011 4:23:04 PM
Benzyl alcohol	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/9/2011 4:23:04 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Carbazole	ND	50		µg/L	1	11/9/2011 4:23:04 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/9/2011 4:23:04 PM
4-Chloroaniline	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2-Chlorophenol	ND	50		µg/L	1	11/9/2011 4:23:04 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Chrysene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Dibenzofuran	ND	50		µg/L	1	11/9/2011 4:23:04 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/9/2011 4:23:04 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
- 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:52:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Dimethyl phthalate	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/9/2011 4:23:04 PM
2,4-Dimethylphenol	160	50		µg/L	1	11/9/2011 4:23:04 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/9/2011 4:23:04 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/9/2011 4:23:04 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Fluoranthene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Fluorene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Hexachlorobenzene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Hexachloroethane	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Isophorone	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
1-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2-Methylphenol	1100	50		µg/L	1	11/9/2011 4:23:04 PM
3+4-Methylphenol	2000	250		µg/L	5	11/9/2011 11:10:36 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/9/2011 4:23:04 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/9/2011 4:23:04 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Naphthalene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2-Nitroaniline	ND	50		µg/L	1	11/9/2011 4:23:04 PM
3-Nitroaniline	ND	50		µg/L	1	11/9/2011 4:23:04 PM
4-Nitroaniline	ND	100		µg/L	1	11/9/2011 4:23:04 PM
Nitrobenzene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2-Nitrophenol	ND	50		µg/L	1	11/9/2011 4:23:04 PM
4-Nitrophenol	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Pentachlorophenol	ND	100		µg/L	1	11/9/2011 4:23:04 PM
Phenanthrene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Phenol	3600	250		µg/L	5	11/9/2011 11:10:36 PM
Pyrene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Pyridine	ND	50		µg/L	1	11/9/2011 4:23:04 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/9/2011 4:23:04 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/9/2011 4:23:04 PM
Surr: 2,4,6-Tribromophenol	51.6	18.1-138		%REC	1	11/9/2011 4:23:04 PM
Surr: 2-Fluorobiphenyl	43.1	25.9-101		%REC	1	11/9/2011 4:23:04 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:52:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	33.9	12.5-93.2		%REC	1	11/9/2011 4:23:04 PM
Surr: 4-Terphenyl-d14	55.4	29.5-112		%REC	1	11/9/2011 4:23:04 PM
Surr: Nitrobenzene-d5	45.1	20.5-120		%REC	1	11/9/2011 4:23:04 PM
Surr: Phenol-d5	29.8	11.3-73.2		%REC	1	11/9/2011 4:23:04 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Toluene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Ethylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Naphthalene	ND	20		µg/L	10	11/9/2011 11:39:28 PM
1-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 11:39:28 PM
2-Methylnaphthalene	ND	40		µg/L	10	11/9/2011 11:39:28 PM
Acetone	510	100		µg/L	10	11/9/2011 11:39:28 PM
Bromobenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Bromodichloromethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Bromoform	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Bromomethane	ND	30		µg/L	10	11/9/2011 11:39:28 PM
2-Butanone	ND	100		µg/L	10	11/9/2011 11:39:28 PM
Carbon disulfide	ND	100		µg/L	10	11/9/2011 11:39:28 PM
Carbon Tetrachloride	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Chlorobenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Chloroethane	ND	20		µg/L	10	11/9/2011 11:39:28 PM
Chloroform	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Chloromethane	ND	30		µg/L	10	11/9/2011 11:39:28 PM
2-Chlorotoluene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
4-Chlorotoluene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
cis-1,2-DCE	ND	10		µg/L	10	11/9/2011 11:39:28 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/9/2011 11:39:28 PM
Dibromochloromethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Dibromomethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Dichlorodifluoromethane	ND	10		µg/L	10	11/9/2011 11:39:28 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:52:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,1-Dichloroethene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2-Dichloropropane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,3-Dichloropropane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
2,2-Dichloropropane	ND	20		µg/L	10	11/9/2011 11:39:28 PM
1,1-Dichloropropene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Hexachlorobutadiene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
2-Hexanone	ND	100		µg/L	10	11/9/2011 11:39:28 PM
Isopropylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
4-Isopropyltoluene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/9/2011 11:39:28 PM
Methylene Chloride	ND	30		µg/L	10	11/9/2011 11:39:28 PM
n-Butylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
n-Propylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
sec-Butylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Styrene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
tert-Butylbenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/9/2011 11:39:28 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/9/2011 11:39:28 PM
trans-1,2-DCE	ND	10		µg/L	10	11/9/2011 11:39:28 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Trichloroethene (TCE)	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Trichlorofluoromethane	ND	10		µg/L	10	11/9/2011 11:39:28 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/9/2011 11:39:28 PM
Vinyl chloride	ND	10		µg/L	10	11/9/2011 11:39:28 PM
Xylenes, Total	ND	15		µg/L	10	11/9/2011 11:39:28 PM
Surr: 1,2-Dichloroethane-d4	96.8	70-130		%REC	10	11/9/2011 11:39:28 PM
Surr: 4-Bromofluorobenzene	105	73-131		%REC	10	11/9/2011 11:39:28 PM
Surr: Dibromofluoromethane	97.1	70-130		%REC	10	11/9/2011 11:39:28 PM
Surr: Toluene-d8	97.9	70-130		%REC	10	11/9/2011 11:39:28 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	15000	0.50		µmhos/cm	50	11/14/2011 2:01:00 PM
SM4500-H+B: PH						Analyst: **IC**

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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111183	**Collection Date:**	11/1/2011 10:52:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: **IC**
pH	8.35	0.100	H	pH units	1	11/14/2011 12:19:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Fluoride	20	5.0		mg/L	50	11/5/2011 9:23:35 AM
Chloride	76000	2500		mg/L	5000	11/5/2011 9:06:10 AM
Bromide	24	5.0		mg/L	50	11/5/2011 9:23:35 AM
Nitrate (As N)+Nitrite (As N)	ND	100		mg/L	500	11/7/2011 10:12:49 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	11/5/2011 9:40:59 AM
Sulfate	9400	250		mg/L	500	11/5/2011 9:58:23 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.20	0.010		mg/L	5	11/9/2011 6:19:37 PM
Cadmium	ND	0.010		mg/L	5	11/9/2011 6:19:37 PM
Calcium	1400	100		mg/L	100	11/9/2011 5:01:02 PM
Chromium	ND	0.030		mg/L	5	11/9/2011 6:19:37 PM
Copper	ND	0.030		mg/L	5	11/9/2011 6:19:37 PM
Iron	ND	0.10		mg/L	5	11/9/2011 6:19:37 PM
Lead	ND	0.025		mg/L	5	11/9/2011 6:19:37 PM
Magnesium	1300	100		mg/L	100	11/9/2011 5:01:02 PM
Manganese	1.3	0.010		mg/L	5	11/9/2011 6:19:37 PM
Potassium	1300	100		mg/L	100	11/9/2011 5:01:02 PM
Silver	ND	0.025		mg/L	5	11/9/2011 6:19:37 PM
Sodium	38000	1000		mg/L	1000	11/10/2011 4:25:02 PM
Zinc	ND	0.050		mg/L	5	11/9/2011 6:19:37 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.20	0.010		mg/L	5	11/8/2011 12:59:55 PM
Cadmium	ND	0.010		mg/L	5	11/8/2011 12:59:55 PM
Chromium	ND	0.030		mg/L	5	11/8/2011 12:59:55 PM
Copper	ND	0.030		mg/L	5	11/8/2011 12:59:55 PM
Iron	0.037	0.020		mg/L	1	11/7/2011 5:57:11 PM
Lead	ND	0.025		mg/L	5	11/8/2011 12:59:55 PM
Manganese	1.9	0.010		mg/L	5	11/8/2011 12:59:55 PM
Silver	ND	0.025		mg/L	5	11/8/2011 12:59:55 PM
Zinc	ND	0.050		mg/L	5	11/8/2011 12:59:55 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.089	0.050		mg/L	50	11/16/2011 2:33:38 PM
Selenium	0.057	0.050		mg/L	50	11/16/2011 2:33:38 PM
Uranium	ND	0.050		mg/L	50	11/16/2011 2:33:38 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.087	0.010		mg/L	10	11/10/2011 1:48:28 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.051	0.010		mg/L	10	11/10/2011 1:48:28 PM
Uranium	ND	0.020		mg/L	20	11/10/2011 2:09:25 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 12:12:13 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Acenaphthylene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Aniline	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Anthracene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Azobenzene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Benz(a)anthracene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Benzo(a)pyrene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Benzo(b)fluoranthene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Benzo(g,h,i)perylene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Benzo(k)fluoranthene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Benzoic acid	ND	40		µg/L	1	11/10/2011 6:21:46 PM
Benzyl alcohol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Bis(2-chloroethoxy)methane	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Bis(2-chloroethyl)ether	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Bis(2-chloroisopropyl)ether	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Bis(2-ethylhexyl)phthalate	ND	20		µg/L	1	11/10/2011 6:21:46 PM
4-Bromophenyl phenyl ether	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Butyl benzyl phthalate	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Carbazole	ND	20		µg/L	1	11/10/2011 6:21:46 PM
4-Chloro-3-methylphenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
4-Chloroaniline	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2-Chloronaphthalene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2-Chlorophenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
4-Chlorophenyl phenyl ether	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Chrysene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Di-n-butyl phthalate	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Di-n-octyl phthalate	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Dibenz(a,h)anthracene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Dibenzofuran	ND	20		µg/L	1	11/10/2011 6:21:46 PM
1,2-Dichlorobenzene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
1,3-Dichlorobenzene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
1,4-Dichlorobenzene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
3,3'-Dichlorobenzidine	ND	20		µg/L	1	11/10/2011 6:21:46 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Dimethyl phthalate	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2,4-Dichlorophenol	ND	40		µg/L	1	11/10/2011 6:21:46 PM
2,4-Dimethylphenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
4,6-Dinitro-2-methylphenol	ND	40		µg/L	1	11/10/2011 6:21:46 PM
2,4-Dinitrophenol	ND	40		µg/L	1	11/10/2011 6:21:46 PM
2,4-Dinitrotoluene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2,6-Dinitrotoluene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Fluoranthene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Fluorene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Hexachlorobenzene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Hexachlorobutadiene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Hexachlorocyclopentadiene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Hexachloroethane	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Indeno(1,2,3-cd)pyrene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Isophorone	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2-Methylnaphthalene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
1-Methylnaphthalene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2-Methylphenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
3+4-Methylphenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
N-Nitrosodi-n-propylamine	ND	20		µg/L	1	11/10/2011 6:21:46 PM
N-Nitrosodimethylamine	ND	20		µg/L	1	11/10/2011 6:21:46 PM
N-Nitrosodiphenylamine	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Naphthalene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2-Nitroaniline	ND	20		µg/L	1	11/10/2011 6:21:46 PM
3-Nitroaniline	ND	20		µg/L	1	11/10/2011 6:21:46 PM
4-Nitroaniline	ND	40		µg/L	1	11/10/2011 6:21:46 PM
Nitrobenzene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2-Nitrophenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
4-Nitrophenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Pentachlorophenol	ND	40		µg/L	1	11/10/2011 6:21:46 PM
Phenanthrene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Phenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Pyrene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Pyridine	ND	20		µg/L	1	11/10/2011 6:21:46 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2,4,5-Trichlorophenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
2,4,6-Trichlorophenol	ND	20		µg/L	1	11/10/2011 6:21:46 PM
Surr: 2,4,6-Tribromophenol	28.2	18.1-138		%REC	1	11/10/2011 6:21:46 PM
Surr: 2-Fluorobiphenyl	62.5	25.9-101		%REC	1	11/10/2011 6:21:46 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	11.8	12.5-93.2	S	%REC	1	11/10/2011 6:21:46 PM
Surr: 4-Terphenyl-d14	71.0	29.5-112		%REC	1	11/10/2011 6:21:46 PM
Surr: Nitrobenzene-d5	54.7	20.5-120		%REC	1	11/10/2011 6:21:46 PM
Surr: Phenol-d5	14.0	11.3-73.2		%REC	1	11/10/2011 6:21:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Toluene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Ethylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Naphthalene	ND	20		µg/L	10	11/10/2011 12:08:34 AM
1-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 12:08:34 AM
2-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 12:08:34 AM
Acetone	ND	100		µg/L	10	11/10/2011 12:08:34 AM
Bromobenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Bromodichloromethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Bromoform	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Bromomethane	ND	30		µg/L	10	11/10/2011 12:08:34 AM
2-Butanone	ND	100		µg/L	10	11/10/2011 12:08:34 AM
Carbon disulfide	ND	100		µg/L	10	11/10/2011 12:08:34 AM
Carbon Tetrachloride	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Chlorobenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Chloroethane	ND	20		µg/L	10	11/10/2011 12:08:34 AM
Chloroform	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Chloromethane	ND	30		µg/L	10	11/10/2011 12:08:34 AM
2-Chlorotoluene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
4-Chlorotoluene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
cis-1,2-DCE	ND	10		µg/L	10	11/10/2011 12:08:34 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/10/2011 12:08:34 AM
Dibromochloromethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Dibromomethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Dichlorodifluoromethane	ND	10		µg/L	10	11/10/2011 12:08:34 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
- 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,1-Dichloroethene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2-Dichloropropane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,3-Dichloropropane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
2,2-Dichloropropane	ND	20		µg/L	10	11/10/2011 12:08:34 AM
1,1-Dichloropropene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Hexachlorobutadiene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
2-Hexanone	ND	100		µg/L	10	11/10/2011 12:08:34 AM
Isopropylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
4-Isopropyltoluene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/10/2011 12:08:34 AM
Methylene Chloride	ND	30		µg/L	10	11/10/2011 12:08:34 AM
n-Butylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
n-Propylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
sec-Butylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Styrene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
tert-Butylbenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/10/2011 12:08:34 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/10/2011 12:08:34 AM
trans-1,2-DCE	ND	10		µg/L	10	11/10/2011 12:08:34 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Trichloroethene (TCE)	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Trichlorofluoromethane	ND	10		µg/L	10	11/10/2011 12:08:34 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/10/2011 12:08:34 AM
Vinyl chloride	ND	10		µg/L	10	11/10/2011 12:08:34 AM
Xylenes, Total	ND	15		µg/L	10	11/10/2011 12:08:34 AM
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%REC	10	11/10/2011 12:08:34 AM
Surr: 4-Bromofluorobenzene	105	73-131		%REC	10	11/10/2011 12:08:34 AM
Surr: Dibromofluoromethane	100	70-130		%REC	10	11/10/2011 12:08:34 AM
Surr: Toluene-d8	98.7	70-130		%REC	10	11/10/2011 12:08:34 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	210000	0.50		µmhos/cm	50	11/14/2011 2:05:00 PM
SM4500-H+B: PH						Analyst: **IC**

Qualifiers:

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- 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	7.58	0.100	H	pH units	1	11/14/2011 12:24:00 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
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: *01-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	27	2.0		mg/L	20	11/2/2011 10:14:38 PM
Chloride	27000	1000		mg/L	2000	11/8/2011 9:19:18 PM
Bromide	9.9	2.0		mg/L	20	11/2/2011 10:14:38 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 10:30:14 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/5/2011 11:42:52 AM
Sulfate	3600	50		mg/L	100	11/5/2011 10:15:47 AM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.13	0.010		mg/L	5	11/9/2011 6:25:49 PM
Cadmium	ND	0.010		mg/L	5	11/9/2011 6:25:49 PM
Calcium	300	5.0		mg/L	5	11/9/2011 6:25:49 PM
Chromium	ND	0.030		mg/L	5	11/9/2011 6:25:49 PM
Copper	ND	0.030		mg/L	5	11/9/2011 6:25:49 PM
Iron	ND	0.10		mg/L	5	11/9/2011 6:25:49 PM
Lead	ND	0.025		mg/L	5	11/9/2011 6:25:49 PM
Magnesium	420	5.0		mg/L	5	11/9/2011 6:25:49 PM
Manganese	1.1	0.010		mg/L	5	11/9/2011 6:25:49 PM
Potassium	680	100		mg/L	100	11/9/2011 5:04:18 PM
Silver	ND	0.025		mg/L	5	11/9/2011 6:25:49 PM
Sodium	10000	1000		mg/L	1000	11/10/2011 4:28:01 PM
Zinc	ND	0.050		mg/L	5	11/9/2011 6:25:49 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.13	0.0020		mg/L	1	11/7/2011 6:00:19 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 6:00:19 PM
Chromium	0.017	0.0060		mg/L	1	11/7/2011 6:00:19 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 6:00:19 PM
Iron	0.17	0.020		mg/L	1	11/7/2011 6:00:19 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 6:00:19 PM
Manganese	1.5	0.010		mg/L	5	11/8/2011 1:03:04 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 6:00:19 PM
Zinc	0.012	0.010		mg/L	1	11/7/2011 6:00:19 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.050	0.020		mg/L	20	11/15/2011 11:31:55 AM
Selenium	0.030	0.020		mg/L	20	11/15/2011 11:31:55 AM
Uranium	ND	0.020		mg/L	20	11/15/2011 11:31:55 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.047	0.0050		mg/L	5	11/10/2011 1:30:16 PM

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.026	0.0050		mg/L	5	11/10/2011 1:30:16 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:30:16 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 12:17:31 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Aniline	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Anthracene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Azobenzene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Benzoic acid	ND	20		µg/L	1	11/9/2011 5:22:15 PM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/9/2011 5:22:15 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Carbazole	ND	10		µg/L	1	11/9/2011 5:22:15 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Chrysene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 5:22:15 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 5:22:15 PM

Qualifiers:

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- 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 5:22:15 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 5:22:15 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 5:22:15 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Fluoranthene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Fluorene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Isophorone	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2-Methylphenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
3+4-Methylphenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 5:22:15 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 5:22:15 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Naphthalene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 5:22:15 PM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 5:22:15 PM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 5:22:15 PM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 5:22:15 PM
Phenanthrene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Phenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Pyrene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Pyridine	ND	10		µg/L	1	11/9/2011 5:22:15 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 5:22:15 PM
Surr: 2,4,6-Tribromophenol	34.8	18.1-138		%REC	1	11/9/2011 5:22:15 PM
Surr: 2-Fluorobiphenyl	55.7	25.9-101		%REC	1	11/9/2011 5:22:15 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	11.2	12.5-93.2	S	%REC	1	11/9/2011 5:22:15 PM
Surr: 4-Terphenyl-d14	64.7	29.5-112		%REC	1	11/9/2011 5:22:15 PM
Surr: Nitrobenzene-d5	54.8	20.5-120		%REC	1	11/9/2011 5:22:15 PM
Surr: Phenol-d5	17.7	11.3-73.2		%REC	1	11/9/2011 5:22:15 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Toluene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Ethylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Naphthalene	ND	20		µg/L	10	11/10/2011 12:37:38 AM
1-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 12:37:38 AM
2-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 12:37:38 AM
Acetone	ND	100		µg/L	10	11/10/2011 12:37:38 AM
Bromobenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Bromodichloromethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Bromoform	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Bromomethane	ND	30		µg/L	10	11/10/2011 12:37:38 AM
2-Butanone	ND	100		µg/L	10	11/10/2011 12:37:38 AM
Carbon disulfide	ND	100		µg/L	10	11/10/2011 12:37:38 AM
Carbon Tetrachloride	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Chlorobenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Chloroethane	ND	20		µg/L	10	11/10/2011 12:37:38 AM
Chloroform	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Chloromethane	ND	30		µg/L	10	11/10/2011 12:37:38 AM
2-Chlorotoluene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
4-Chlorotoluene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
cis-1,2-DCE	ND	10		µg/L	10	11/10/2011 12:37:38 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/10/2011 12:37:38 AM
Dibromochloromethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Dibromomethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Dichlorodifluoromethane	ND	10		µg/L	10	11/10/2011 12:37:38 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,1-Dichloroethene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2-Dichloropropane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,3-Dichloropropane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
2,2-Dichloropropane	ND	20		µg/L	10	11/10/2011 12:37:38 AM
1,1-Dichloropropene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Hexachlorobutadiene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
2-Hexanone	ND	100		µg/L	10	11/10/2011 12:37:38 AM
Isopropylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
4-Isopropyltoluene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/10/2011 12:37:38 AM
Methylene Chloride	ND	30		µg/L	10	11/10/2011 12:37:38 AM
n-Butylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
n-Propylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
sec-Butylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Styrene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
tert-Butylbenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/10/2011 12:37:38 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/10/2011 12:37:38 AM
trans-1,2-DCE	ND	10		µg/L	10	11/10/2011 12:37:38 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Trichloroethene (TCE)	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Trichlorofluoromethane	ND	10		µg/L	10	11/10/2011 12:37:38 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/10/2011 12:37:38 AM
Vinyl chloride	ND	10		µg/L	10	11/10/2011 12:37:38 AM
Xylenes, Total	ND	15		µg/L	10	11/10/2011 12:37:38 AM
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%REC	10	11/10/2011 12:37:38 AM
Surr: 4-Bromofluorobenzene	100	73-131		%REC	10	11/10/2011 12:37:38 AM
Surr: Dibromofluoromethane	97.7	70-130		%REC	10	11/10/2011 12:37:38 AM
Surr: Toluene-d8	95.6	70-130		%REC	10	11/10/2011 12:37:38 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	66000	0.50		µmhos/cm	50	11/14/2011 2:10:00 PM
SM4500-H+B: PH						Analyst: **IC**

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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111183	**Collection Date:**	11/1/2011 1:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	7.92	0.100	H	pH units	1	11/14/2011 12:28:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:05:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	22	2.0		mg/L	20	11/2/2011 10:49:27 PM
Chloride	46000	2500		mg/L	5000	11/9/2011 7:01:52 PM
Bromide	13	2.0		mg/L	20	11/2/2011 10:49:27 PM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	11/22/2011 11:27:20 AM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	11/8/2011 1:24:20 AM
Sulfate	8100	250		mg/L	500	11/5/2011 12:17:42 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.090	0.010		mg/L	5	11/9/2011 6:32:05 PM
Cadmium	ND	0.010		mg/L	5	11/9/2011 6:32:05 PM
Calcium	750	100		mg/L	100	11/9/2011 5:07:28 PM
Chromium	ND	0.030		mg/L	5	11/9/2011 6:32:05 PM
Copper	ND	0.030		mg/L	5	11/9/2011 6:32:05 PM
Iron	ND	0.10		mg/L	5	11/9/2011 6:32:05 PM
Lead	ND	0.025		mg/L	5	11/9/2011 6:32:05 PM
Magnesium	770	100		mg/L	100	11/9/2011 5:07:28 PM
Manganese	0.60	0.010		mg/L	5	11/9/2011 6:32:05 PM
Potassium	930	100		mg/L	100	11/9/2011 5:07:28 PM
Silver	ND	0.025		mg/L	5	11/9/2011 6:32:05 PM
Sodium	18000	1000		mg/L	1000	11/10/2011 4:30:52 PM
Zinc	ND	0.050		mg/L	5	11/9/2011 6:32:05 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.098	0.010		mg/L	5	11/8/2011 1:06:00 PM
Cadmium	ND	0.010		mg/L	5	11/8/2011 1:06:00 PM
Chromium	ND	0.030		mg/L	5	11/8/2011 1:06:00 PM
Copper	ND	0.030		mg/L	5	11/8/2011 1:06:00 PM
Iron	0.39	0.020		mg/L	1	11/7/2011 6:14:43 PM
Lead	ND	0.025		mg/L	5	11/8/2011 1:06:00 PM
Manganese	0.83	0.010		mg/L	5	11/8/2011 1:06:00 PM
Silver	ND	0.025		mg/L	5	11/8/2011 1:06:00 PM
Zinc	ND	0.050		mg/L	5	11/8/2011 1:06:00 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.050		mg/L	50	11/15/2011 11:33:56 AM
Selenium	ND	0.050		mg/L	50	11/15/2011 11:33:56 AM
Uranium	ND	0.050		mg/L	50	11/15/2011 11:33:56 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.049	0.010		mg/L	10	11/10/2011 1:50:29 PM

Qualifiers:

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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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:05:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.030	0.010		mg/L	10	11/10/2011 1:50:29 PM
Uranium	ND	0.020		mg/L	20	11/10/2011 2:11:26 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 12:19:17 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Aniline	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Anthracene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Azobenzene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Benzoic acid	ND	20		µg/L	1	11/9/2011 5:51:44 PM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/9/2011 5:51:44 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Carbazole	ND	10		µg/L	1	11/9/2011 5:51:44 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Chrysene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 5:51:44 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 5:51:44 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:05:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 5:51:44 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 5:51:44 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 5:51:44 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Fluoranthene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Fluorene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Isophorone	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2-Methylphenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
3+4-Methylphenol	18	10		µg/L	1	11/9/2011 5:51:44 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 5:51:44 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 5:51:44 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Naphthalene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 5:51:44 PM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 5:51:44 PM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 5:51:44 PM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 5:51:44 PM
Phenanthrene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Phenol	40	10		µg/L	1	11/9/2011 5:51:44 PM
Pyrene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Pyridine	ND	10		µg/L	1	11/9/2011 5:51:44 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 5:51:44 PM
Surr: 2,4,6-Tribromophenol	42.6	18.1-138		%REC	1	11/9/2011 5:51:44 PM
Surr: 2-Fluorobiphenyl	52.5	25.9-101		%REC	1	11/9/2011 5:51:44 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:05:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	33.6	12.5-93.2		%REC	1	11/9/2011 5:51:44 PM
Surr: 4-Terphenyl-d14	54.6	29.5-112		%REC	1	11/9/2011 5:51:44 PM
Surr: Nitrobenzene-d5	60.1	20.5-120		%REC	1	11/9/2011 5:51:44 PM
Surr: Phenol-d5	43.4	11.3-73.2		%REC	1	11/9/2011 5:51:44 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Toluene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Ethylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Naphthalene	ND	20		µg/L	10	11/10/2011 1:06:43 AM
1-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 1:06:43 AM
2-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 1:06:43 AM
Acetone	ND	100		µg/L	10	11/10/2011 1:06:43 AM
Bromobenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Bromodichloromethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Bromoform	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Bromomethane	ND	30		µg/L	10	11/10/2011 1:06:43 AM
2-Butanone	ND	100		µg/L	10	11/10/2011 1:06:43 AM
Carbon disulfide	ND	100		µg/L	10	11/10/2011 1:06:43 AM
Carbon Tetrachloride	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Chlorobenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Chloroethane	ND	20		µg/L	10	11/10/2011 1:06:43 AM
Chloroform	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Chloromethane	ND	30		µg/L	10	11/10/2011 1:06:43 AM
2-Chlorotoluene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
4-Chlorotoluene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
cis-1,2-DCE	ND	10		µg/L	10	11/10/2011 1:06:43 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/10/2011 1:06:43 AM
Dibromochloromethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Dibromomethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Dichlorodifluoromethane	ND	10		µg/L	10	11/10/2011 1:06:43 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:05:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,1-Dichloroethene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2-Dichloropropane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,3-Dichloropropane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
2,2-Dichloropropane	ND	20		µg/L	10	11/10/2011 1:06:43 AM
1,1-Dichloropropene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Hexachlorobutadiene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
2-Hexanone	ND	100		µg/L	10	11/10/2011 1:06:43 AM
Isopropylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
4-Isopropyltoluene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/10/2011 1:06:43 AM
Methylene Chloride	ND	30		µg/L	10	11/10/2011 1:06:43 AM
n-Butylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
n-Propylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
sec-Butylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Styrene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
tert-Butylbenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/10/2011 1:06:43 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/10/2011 1:06:43 AM
trans-1,2-DCE	ND	10		µg/L	10	11/10/2011 1:06:43 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Trichloroethene (TCE)	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Trichlorofluoromethane	ND	10		µg/L	10	11/10/2011 1:06:43 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/10/2011 1:06:43 AM
Vinyl chloride	ND	10		µg/L	10	11/10/2011 1:06:43 AM
Xylenes, Total	ND	15		µg/L	10	11/10/2011 1:06:43 AM
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%REC	10	11/10/2011 1:06:43 AM
Surr: 4-Bromofluorobenzene	104	73-131		%REC	10	11/10/2011 1:06:43 AM
Surr: Dibromofluoromethane	96.1	70-130		%REC	10	11/10/2011 1:06:43 AM
Surr: Toluene-d8	99.3	70-130		%REC	10	11/10/2011 1:06:43 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	120000	0.50		µmhos/cm	50	11/14/2011 2:14:00 PM
SM4500-H+B: PH						Analyst: **IC**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:05:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	7.82	0.100	H	pH units	1	11/14/2011 12:32:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	29	2.0		mg/L	20	11/2/2011 11:59:04 PM
Chloride	5700	250		mg/L	500	11/5/2011 12:52:30 PM
Bromide	1.2	0.50		mg/L	5	11/2/2011 11:41:40 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 11:05:03 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	11/22/2011 11:10:37 AM
Sulfate	1800	25		mg/L	50	11/5/2011 12:35:06 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.068	0.0020		mg/L	1	11/9/2011 6:47:54 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 6:47:54 PM
Calcium	230	100		mg/L	100	11/9/2011 5:10:43 PM
Chromium	ND	0.0060		mg/L	1	11/9/2011 6:47:54 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 6:47:54 PM
Iron	0.89	0.10		mg/L	5	11/10/2011 4:42:42 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 6:47:54 PM
Magnesium	120	100		mg/L	100	11/9/2011 5:10:43 PM
Manganese	0.19	0.0020		mg/L	1	11/9/2011 6:47:54 PM
Potassium	620	100		mg/L	100	11/9/2011 5:10:43 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 6:47:54 PM
Sodium	2600	100		mg/L	100	11/9/2011 5:10:43 PM
Zinc	0.015	0.010		mg/L	1	11/9/2011 6:47:54 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.071	0.0020		mg/L	1	11/7/2011 6:17:44 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 6:17:44 PM
Chromium	ND	0.0060		mg/L	1	11/7/2011 6:17:44 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 6:17:44 PM
Iron	1.2	0.10		mg/L	5	11/8/2011 1:20:21 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 6:17:44 PM
Manganese	0.19	0.0020		mg/L	1	11/7/2011 6:17:44 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 6:17:44 PM
Zinc	0.021	0.010		mg/L	1	11/7/2011 6:17:44 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0080	0.0050		mg/L	5	11/15/2011 11:35:58 AM
Selenium	0.0079	0.0050		mg/L	5	11/15/2011 11:35:58 AM
Uranium	ND	0.0050		mg/L	5	11/15/2011 11:35:58 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0083	0.0050		mg/L	5	11/10/2011 1:34:18 PM

Qualifiers:

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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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0084	0.0050		mg/L	5	11/10/2011 1:34:18 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:34:18 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	ND	0.00020		mg/L	1	11/9/2011 12:21:02 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Acenaphthylene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Aniline	67	50		µg/L	1	11/9/2011 6:20:58 PM
Anthracene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Azobenzene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Benz(a)anthracene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Benzoic acid	ND	100		µg/L	1	11/9/2011 6:20:58 PM
Benzyl alcohol	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/9/2011 6:20:58 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Carbazole	ND	50		µg/L	1	11/9/2011 6:20:58 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/9/2011 6:20:58 PM
4-Chloroaniline	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2-Chlorophenol	ND	50		µg/L	1	11/9/2011 6:20:58 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Chrysene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Dibenzofuran	ND	50		µg/L	1	11/9/2011 6:20:58 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/9/2011 6:20:58 PM

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- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Dimethyl phthalate	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/9/2011 6:20:58 PM
2,4-Dimethylphenol	55	50		µg/L	1	11/9/2011 6:20:58 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/9/2011 6:20:58 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/9/2011 6:20:58 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Fluoranthene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Fluorene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Hexachlorobenzene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Hexachloroethane	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Isophorone	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
1-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2-Methylphenol	460	50		µg/L	1	11/9/2011 6:20:58 PM
3+4-Methylphenol	750	50		µg/L	1	11/9/2011 6:20:58 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/9/2011 6:20:58 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/9/2011 6:20:58 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Naphthalene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2-Nitroaniline	ND	50		µg/L	1	11/9/2011 6:20:58 PM
3-Nitroaniline	ND	50		µg/L	1	11/9/2011 6:20:58 PM
4-Nitroaniline	ND	100		µg/L	1	11/9/2011 6:20:58 PM
Nitrobenzene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2-Nitrophenol	ND	50		µg/L	1	11/9/2011 6:20:58 PM
4-Nitrophenol	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Pentachlorophenol	ND	100		µg/L	1	11/9/2011 6:20:58 PM
Phenanthrene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Phenol	1300	100		µg/L	2	11/10/2011 10:40:13 AM
Pyrene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Pyridine	ND	50		µg/L	1	11/9/2011 6:20:58 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/9/2011 6:20:58 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/9/2011 6:20:58 PM
Surr: 2,4,6-Tribromophenol	79.4	18.1-138		%REC	1	11/9/2011 6:20:58 PM
Surr: 2-Fluorobiphenyl	58.4	25.9-101		%REC	1	11/9/2011 6:20:58 PM

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- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	54.5	12.5-93.2		%REC	1	11/9/2011 6:20:58 PM
Surr: 4-Terphenyl-d14	65.1	29.5-112		%REC	1	11/9/2011 6:20:58 PM
Surr: Nitrobenzene-d5	71.0	20.5-120		%REC	1	11/9/2011 6:20:58 PM
Surr: Phenol-d5	44.0	11.3-73.2		%REC	1	11/9/2011 6:20:58 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Toluene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Ethylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Naphthalene	ND	20		µg/L	10	11/10/2011 1:35:42 AM
1-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 1:35:42 AM
2-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 1:35:42 AM
Acetone	ND	100		µg/L	10	11/10/2011 1:35:42 AM
Bromobenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Bromodichloromethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Bromoform	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Bromomethane	ND	30		µg/L	10	11/10/2011 1:35:42 AM
2-Butanone	ND	100		µg/L	10	11/10/2011 1:35:42 AM
Carbon disulfide	ND	100		µg/L	10	11/10/2011 1:35:42 AM
Carbon Tetrachloride	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Chlorobenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Chloroethane	ND	20		µg/L	10	11/10/2011 1:35:42 AM
Chloroform	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Chloromethane	ND	30		µg/L	10	11/10/2011 1:35:42 AM
2-Chlorotoluene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
4-Chlorotoluene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
cis-1,2-DCE	ND	10		µg/L	10	11/10/2011 1:35:42 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/10/2011 1:35:42 AM
Dibromochloromethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Dibromomethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Dichlorodifluoromethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
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- NC Non-Chlorinated
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,1-Dichloroethene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2-Dichloropropane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,3-Dichloropropane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
2,2-Dichloropropane	ND	20		µg/L	10	11/10/2011 1:35:42 AM
1,1-Dichloropropene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Hexachlorobutadiene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
2-Hexanone	ND	100		µg/L	10	11/10/2011 1:35:42 AM
Isopropylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
4-Isopropyltoluene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/10/2011 1:35:42 AM
Methylene Chloride	ND	30		µg/L	10	11/10/2011 1:35:42 AM
n-Butylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
n-Propylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
sec-Butylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Styrene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
tert-Butylbenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/10/2011 1:35:42 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/10/2011 1:35:42 AM
trans-1,2-DCE	ND	10		µg/L	10	11/10/2011 1:35:42 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Trichloroethene (TCE)	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Trichlorofluoromethane	ND	10		µg/L	10	11/10/2011 1:35:42 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/10/2011 1:35:42 AM
Vinyl chloride	ND	10		µg/L	10	11/10/2011 1:35:42 AM
Xylenes, Total	ND	15		µg/L	10	11/10/2011 1:35:42 AM
Surr: 1,2-Dichloroethane-d4	95.3	70-130		%REC	10	11/10/2011 1:35:42 AM
Surr: 4-Bromofluorobenzene	106	73-131		%REC	10	11/10/2011 1:35:42 AM
Surr: Dibromofluoromethane	101	70-130		%REC	10	11/10/2011 1:35:42 AM
Surr: Toluene-d8	98.0	70-130		%REC	10	11/10/2011 1:35:42 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	19000	0.50		µmhos/cm	50	11/14/2011 2:18:00 PM
SM4500-H+B: PH						Analyst: **IC**

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:25:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	7.83	0.100	H	pH units	1	11/14/2011 12:36:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	36	2.0		mg/L	20	11/3/2011 12:33:53 AM
Chloride	5400	250		mg/L	500	11/8/2011 1:59:10 AM
Bromide	1.2	0.50		mg/L	5	11/3/2011 12:16:29 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/7/2011 11:22:27 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/5/2011 1:09:55 PM
Sulfate	1500	25		mg/L	50	11/5/2011 1:44:44 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.058	0.0020		mg/L	1	11/9/2011 6:53:40 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 6:53:40 PM
Calcium	230	100		mg/L	100	11/9/2011 5:22:36 PM
Chromium	ND	0.0060		mg/L	1	11/9/2011 6:53:40 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 6:53:40 PM
Iron	1.0	0.10		mg/L	5	11/10/2011 4:46:00 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 6:53:40 PM
Magnesium	120	100		mg/L	100	11/9/2011 5:22:36 PM
Manganese	0.13	0.0020		mg/L	1	11/9/2011 6:53:40 PM
Potassium	630	100		mg/L	100	11/9/2011 5:22:36 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 6:53:40 PM
Sodium	2400	100		mg/L	100	11/9/2011 5:22:36 PM
Zinc	0.022	0.010		mg/L	1	11/9/2011 6:53:40 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.065	0.0020		mg/L	1	11/7/2011 6:20:11 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 6:20:11 PM
Chromium	0.0067	0.0060		mg/L	1	11/7/2011 6:20:11 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 6:20:11 PM
Iron	1.9	0.10		mg/L	5	11/8/2011 1:23:42 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 6:20:11 PM
Manganese	0.14	0.0020		mg/L	1	11/7/2011 6:20:11 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 6:20:11 PM
Zinc	0.040	0.010		mg/L	1	11/7/2011 6:20:11 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0072	0.0050		mg/L	5	11/15/2011 11:49:05 AM
Selenium	0.0059	0.0050		mg/L	5	11/15/2011 11:49:05 AM
Uranium	ND	0.0050		mg/L	5	11/15/2011 11:49:05 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0085	0.0050		mg/L	5	11/10/2011 1:40:23 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: *01-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0063	0.0050		mg/L	5	11/10/2011 1:40:23 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:40:23 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.00035	0.00020		mg/L	1	11/9/2011 12:22:48 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Acenaphthylene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Aniline	160	50		µg/L	1	11/9/2011 6:50:09 PM
Anthracene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Azobenzene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Benz(a)anthracene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Benzoic acid	ND	100		µg/L	1	11/9/2011 6:50:09 PM
Benzyl alcohol	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/9/2011 6:50:09 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Carbazole	ND	50		µg/L	1	11/9/2011 6:50:09 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/9/2011 6:50:09 PM
4-Chloroaniline	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2-Chlorophenol	ND	50		µg/L	1	11/9/2011 6:50:09 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Chrysene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Dibenzofuran	ND	50		µg/L	1	11/9/2011 6:50:09 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/9/2011 6:50:09 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Dimethyl phthalate	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/9/2011 6:50:09 PM
2,4-Dimethylphenol	150	50		µg/L	1	11/9/2011 6:50:09 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/9/2011 6:50:09 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/9/2011 6:50:09 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Fluoranthene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Fluorene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Hexachlorobenzene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Hexachloroethane	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Isophorone	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
1-Methylnaphthalene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2-Methylphenol	940	50		µg/L	1	11/9/2011 6:50:09 PM
3+4-Methylphenol	1300	500		µg/L	10	11/10/2011 11:09:07 AM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/9/2011 6:50:09 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/9/2011 6:50:09 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Naphthalene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2-Nitroaniline	ND	50		µg/L	1	11/9/2011 6:50:09 PM
3-Nitroaniline	ND	50		µg/L	1	11/9/2011 6:50:09 PM
4-Nitroaniline	ND	100		µg/L	1	11/9/2011 6:50:09 PM
Nitrobenzene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2-Nitrophenol	ND	50		µg/L	1	11/9/2011 6:50:09 PM
4-Nitrophenol	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Pentachlorophenol	ND	100		µg/L	1	11/9/2011 6:50:09 PM
Phenanthrene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Phenol	2700	500		µg/L	10	11/10/2011 11:09:07 AM
Pyrene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Pyridine	ND	50		µg/L	1	11/9/2011 6:50:09 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/9/2011 6:50:09 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/9/2011 6:50:09 PM
Surr: 2,4,6-Tribromophenol	89.2	18.1-138		%REC	1	11/9/2011 6:50:09 PM
Surr: 2-Fluorobiphenyl	66.7	25.9-101		%REC	1	11/9/2011 6:50:09 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: *01-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	55.1	12.5-93.2		%REC	1	11/9/2011 6:50:09 PM
Surr: 4-Terphenyl-d14	78.0	29.5-112		%REC	1	11/9/2011 6:50:09 PM
Surr: Nitrobenzene-d5	69.9	20.5-120		%REC	1	11/9/2011 6:50:09 PM
Surr: Phenol-d5	46.9	11.3-73.2		%REC	1	11/9/2011 6:50:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Toluene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Ethylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Naphthalene	ND	20		µg/L	10	11/10/2011 2:04:44 AM
1-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 2:04:44 AM
2-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 2:04:44 AM
Acetone	160	100		µg/L	10	11/10/2011 2:04:44 AM
Bromobenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Bromodichloromethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Bromoform	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Bromomethane	ND	30		µg/L	10	11/10/2011 2:04:44 AM
2-Butanone	ND	100		µg/L	10	11/10/2011 2:04:44 AM
Carbon disulfide	ND	100		µg/L	10	11/10/2011 2:04:44 AM
Carbon Tetrachloride	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Chlorobenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Chloroethane	ND	20		µg/L	10	11/10/2011 2:04:44 AM
Chloroform	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Chloromethane	ND	30		µg/L	10	11/10/2011 2:04:44 AM
2-Chlorotoluene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
4-Chlorotoluene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
cis-1,2-DCE	ND	10		µg/L	10	11/10/2011 2:04:44 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/10/2011 2:04:44 AM
Dibromochloromethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Dibromomethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Dichlorodifluoromethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,1-Dichloroethene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2-Dichloropropane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,3-Dichloropropane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
2,2-Dichloropropane	ND	20		µg/L	10	11/10/2011 2:04:44 AM
1,1-Dichloropropene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Hexachlorobutadiene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
2-Hexanone	ND	100		µg/L	10	11/10/2011 2:04:44 AM
Isopropylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
4-Isopropyltoluene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/10/2011 2:04:44 AM
Methylene Chloride	ND	30		µg/L	10	11/10/2011 2:04:44 AM
n-Butylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
n-Propylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
sec-Butylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Styrene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
tert-Butylbenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/10/2011 2:04:44 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/10/2011 2:04:44 AM
trans-1,2-DCE	ND	10		µg/L	10	11/10/2011 2:04:44 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Trichloroethene (TCE)	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Trichlorofluoromethane	ND	10		µg/L	10	11/10/2011 2:04:44 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/10/2011 2:04:44 AM
Vinyl chloride	ND	10		µg/L	10	11/10/2011 2:04:44 AM
Xylenes, Total	ND	15		µg/L	10	11/10/2011 2:04:44 AM
Surr: 1,2-Dichloroethane-d4	95.2	70-130		%REC	10	11/10/2011 2:04:44 AM
Surr: 4-Bromofluorobenzene	101	73-131		%REC	10	11/10/2011 2:04:44 AM
Surr: Dibromofluoromethane	99.6	70-130		%REC	10	11/10/2011 2:04:44 AM
Surr: Toluene-d8	95.8	70-130		%REC	10	11/10/2011 2:04:44 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	18000	0.50		µmhos/cm	50	11/14/2011 2:22:00 PM
SM4500-H+B: PH						Analyst: **IC**

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: *01-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111183	**Collection Date:**	11/1/2011 2:45:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: IC
pH	8.05	0.100	H	pH units	1	11/14/2011 12:40:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111183	**Collection Date:**	11/1/2011 3:12:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	39	2.0		mg/L	20	11/3/2011 1:08:43 AM
Chloride	3600	250		mg/L	500	11/5/2011 2:19:33 PM
Bromide	5.3	0.50		mg/L	5	11/3/2011 12:51:18 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	11/8/2011 12:14:41 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/8/2011 2:16:35 AM
Sulfate	1500	25		mg/L	50	11/5/2011 2:02:09 PM
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.055	0.0020		mg/L	1	11/9/2011 6:59:25 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2011 6:59:25 PM
Calcium	220	100		mg/L	100	11/9/2011 5:25:35 PM
Chromium	ND	0.0060		mg/L	1	11/9/2011 6:59:25 PM
Copper	ND	0.0060		mg/L	1	11/9/2011 6:59:25 PM
Iron	0.98	0.10		mg/L	5	11/10/2011 4:50:57 PM
Lead	ND	0.0050		mg/L	1	11/9/2011 6:59:25 PM
Magnesium	120	100		mg/L	100	11/9/2011 5:25:35 PM
Manganese	0.12	0.0020		mg/L	1	11/9/2011 6:59:25 PM
Potassium	610	100		mg/L	100	11/9/2011 5:25:35 PM
Silver	ND	0.0050		mg/L	1	11/9/2011 6:59:25 PM
Sodium	2300	100		mg/L	100	11/9/2011 5:25:35 PM
Zinc	0.024	0.010		mg/L	1	11/9/2011 6:59:25 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.063	0.0020		mg/L	1	11/7/2011 6:22:38 PM
Cadmium	ND	0.0020		mg/L	1	11/7/2011 6:22:38 PM
Chromium	0.0073	0.0060		mg/L	1	11/7/2011 6:22:38 PM
Copper	ND	0.0060		mg/L	1	11/7/2011 6:22:38 PM
Iron	2.4	0.10		mg/L	5	11/8/2011 1:27:00 PM
Lead	ND	0.0050		mg/L	1	11/7/2011 6:22:38 PM
Manganese	0.13	0.0020		mg/L	1	11/7/2011 6:22:38 PM
Silver	ND	0.0050		mg/L	1	11/7/2011 6:22:38 PM
Zinc	0.059	0.010		mg/L	1	11/7/2011 6:22:38 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.0065	0.0050		mg/L	5	11/15/2011 11:51:06 AM
Selenium	0.0058	0.0050		mg/L	5	11/15/2011 11:51:06 AM
Uranium	ND	0.0050		mg/L	5	11/15/2011 11:51:06 AM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0076	0.0050		mg/L	5	11/10/2011 1:42:24 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111183	**Collection Date:**	11/1/2011 3:12:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 200.8: METALS						Analyst: **SNV**
Selenium	0.0060	0.0050		mg/L	5	11/10/2011 1:42:24 PM
Uranium	ND	0.0050		mg/L	5	11/10/2011 1:42:24 PM
EPA METHOD 245.1: MERCURY						Analyst: **JLF**
Mercury	0.00055	0.00020		mg/L	1	11/9/2011 12:24:34 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Acenaphthylene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Aniline	23	10		µg/L	1	11/9/2011 7:19:12 PM
Anthracene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Azobenzene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Benz(a)anthracene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Benzoic acid	ND	20		µg/L	1	11/9/2011 7:19:12 PM
Benzyl alcohol	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/9/2011 7:19:12 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Carbazole	ND	10		µg/L	1	11/9/2011 7:19:12 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/9/2011 7:19:12 PM
4-Chloroaniline	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2-Chlorophenol	ND	10		µg/L	1	11/9/2011 7:19:12 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Chrysene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Dibenzofuran	ND	10		µg/L	1	11/9/2011 7:19:12 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/9/2011 7:19:12 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111183	**Collection Date:**	11/1/2011 3:12:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Dimethyl phthalate	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/9/2011 7:19:12 PM
2,4-Dimethylphenol	21	10		µg/L	1	11/9/2011 7:19:12 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/9/2011 7:19:12 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/9/2011 7:19:12 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Fluoranthene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Fluorene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Hexachlorobenzene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Hexachloroethane	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Isophorone	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2-Methylphenol	130	10		µg/L	1	11/9/2011 7:19:12 PM
3+4-Methylphenol	190	50		µg/L	5	11/10/2011 11:38:00 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/9/2011 7:19:12 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/9/2011 7:19:12 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Naphthalene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2-Nitroaniline	ND	10		µg/L	1	11/9/2011 7:19:12 PM
3-Nitroaniline	ND	10		µg/L	1	11/9/2011 7:19:12 PM
4-Nitroaniline	ND	20		µg/L	1	11/9/2011 7:19:12 PM
Nitrobenzene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2-Nitrophenol	ND	10		µg/L	1	11/9/2011 7:19:12 PM
4-Nitrophenol	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Pentachlorophenol	ND	20		µg/L	1	11/9/2011 7:19:12 PM
Phenanthrene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Phenol	340	50		µg/L	5	11/10/2011 11:38:00 AM
Pyrene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Pyridine	ND	10		µg/L	1	11/9/2011 7:19:12 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/9/2011 7:19:12 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/9/2011 7:19:12 PM
Surr: 2,4,6-Tribromophenol	71.7	18.1-138		%REC	1	11/9/2011 7:19:12 PM
Surr: 2-Fluorobiphenyl	39.0	25.9-101		%REC	1	11/9/2011 7:19:12 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
- 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: *01-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111183	**Collection Date:**	11/1/2011 3:12:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorophenol	35.9	12.5-93.2		%REC	1	11/9/2011 7:19:12 PM
Surr: 4-Terphenyl-d14	63.6	29.5-112		%REC	1	11/9/2011 7:19:12 PM
Surr: Nitrobenzene-d5	39.1	20.5-120		%REC	1	11/9/2011 7:19:12 PM
Surr: Phenol-d5	32.3	11.3-73.2		%REC	1	11/9/2011 7:19:12 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Toluene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Ethylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Naphthalene	ND	20		µg/L	10	11/10/2011 2:33:48 AM
1-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 2:33:48 AM
2-Methylnaphthalene	ND	40		µg/L	10	11/10/2011 2:33:48 AM
Acetone	160	100		µg/L	10	11/10/2011 2:33:48 AM
Bromobenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Bromodichloromethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Bromoform	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Bromomethane	ND	30		µg/L	10	11/10/2011 2:33:48 AM
2-Butanone	ND	100		µg/L	10	11/10/2011 2:33:48 AM
Carbon disulfide	ND	100		µg/L	10	11/10/2011 2:33:48 AM
Carbon Tetrachloride	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Chlorobenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Chloroethane	ND	20		µg/L	10	11/10/2011 2:33:48 AM
Chloroform	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Chloromethane	ND	30		µg/L	10	11/10/2011 2:33:48 AM
2-Chlorotoluene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
4-Chlorotoluene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
cis-1,2-DCE	ND	10		µg/L	10	11/10/2011 2:33:48 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/10/2011 2:33:48 AM
Dibromochloromethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Dibromomethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Dichlorodifluoromethane	ND	10		µg/L	10	11/10/2011 2:33:48 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111183	**Collection Date:**	11/1/2011 3:12:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,1-Dichloroethene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2-Dichloropropane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,3-Dichloropropane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
2,2-Dichloropropane	ND	20		µg/L	10	11/10/2011 2:33:48 AM
1,1-Dichloropropene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Hexachlorobutadiene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
2-Hexanone	ND	100		µg/L	10	11/10/2011 2:33:48 AM
Isopropylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
4-Isopropyltoluene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	11/10/2011 2:33:48 AM
Methylene Chloride	ND	30		µg/L	10	11/10/2011 2:33:48 AM
n-Butylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
n-Propylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
sec-Butylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Styrene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
tert-Butylbenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	11/10/2011 2:33:48 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	11/10/2011 2:33:48 AM
trans-1,2-DCE	ND	10		µg/L	10	11/10/2011 2:33:48 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Trichloroethene (TCE)	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Trichlorofluoromethane	ND	10		µg/L	10	11/10/2011 2:33:48 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	11/10/2011 2:33:48 AM
Vinyl chloride	ND	10		µg/L	10	11/10/2011 2:33:48 AM
Xylenes, Total	ND	15		µg/L	10	11/10/2011 2:33:48 AM
Surr: 1,2-Dichloroethane-d4	98.8	70-130		%REC	10	11/10/2011 2:33:48 AM
Surr: 4-Bromofluorobenzene	104	73-131		%REC	10	11/10/2011 2:33:48 AM
Surr: Dibromofluoromethane	101	70-130		%REC	10	11/10/2011 2:33:48 AM
Surr: Toluene-d8	98.5	70-130		%REC	10	11/10/2011 2:33:48 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	18000	0.50		µmhos/cm	50	11/14/2011 2:27:00 PM
SM4500-H+B: PH						Analyst: **IC**

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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111183	**Collection Date:**	11/1/2011 3:12:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: **IC**
pH	8.12	0.100	H	pH units	1	11/14/2011 12:44:00 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW to EP-2
Lab Order:	1111183	**Collection Date:**	11/1/2011 3:20:00 PM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.90	0.10		mg/L	1	11/3/2011 1:26:07 AM
Chloride	56	10		mg/L	20	11/3/2011 2:18:22 AM
Bromide	ND	0.50		mg/L	5	11/22/2011 11:28:02 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/16/2011 5:12:22 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/22/2011 11:28:02 AM
Sulfate	1800	100		mg/L	200	11/11/2011 6:15:08 PM
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Calcium	3.9	1.0		mg/L	1	11/9/2011 3:27:29 PM
Magnesium	1.9	1.0		mg/L	1	11/9/2011 3:27:29 PM
Potassium	380	100		mg/L	100	11/9/2011 3:33:45 PM
Sodium	1100	100		mg/L	100	11/9/2011 3:33:45 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1111183	**Collection Date:**	11/1/2011 8:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-14	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Toluene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Ethylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Naphthalene	ND	2.0		µg/L	1	11/10/2011 3:02:52 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2011 3:02:52 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2011 3:02:52 AM
Acetone	ND	10		µg/L	1	11/10/2011 3:02:52 AM
Bromobenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Bromoform	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Bromomethane	ND	3.0		µg/L	1	11/10/2011 3:02:52 AM
2-Butanone	ND	10		µg/L	1	11/10/2011 3:02:52 AM
Carbon disulfide	ND	10		µg/L	1	11/10/2011 3:02:52 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Chlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Chloroethane	ND	2.0		µg/L	1	11/10/2011 3:02:52 AM
Chloroform	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Chloromethane	ND	3.0		µg/L	1	11/10/2011 3:02:52 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/10/2011 3:02:52 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Dibromomethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/10/2011 3:02:52 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/10/2011 3:02:52 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
- 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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1111183	**Collection Date:**	11/1/2011 8:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-14	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
2-Hexanone	ND	10		µg/L	1	11/10/2011 3:02:52 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/10/2011 3:02:52 AM
Methylene Chloride	ND	3.0		µg/L	1	11/10/2011 3:02:52 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Styrene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/10/2011 3:02:52 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/10/2011 3:02:52 AM
Vinyl chloride	ND	1.0		µg/L	1	11/10/2011 3:02:52 AM
Xylenes, Total	ND	1.5		µg/L	1	11/10/2011 3:02:52 AM
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%REC	1	11/10/2011 3:02:52 AM
Surr: 4-Bromofluorobenzene	103	73-131		%REC	1	11/10/2011 3:02:52 AM
Surr: Dibromofluoromethane	96.7	70-130		%REC	1	11/10/2011 3:02:52 AM
Surr: Toluene-d8	99.8	70-130		%REC	1	11/10/2011 3:02:52 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
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: *01-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1111183	**Collection Date:**	
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-15	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Toluene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Ethylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Naphthalene	ND	2.0		µg/L	1	11/10/2011 3:31:55 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2011 3:31:55 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2011 3:31:55 AM
Acetone	ND	10		µg/L	1	11/10/2011 3:31:55 AM
Bromobenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Bromoform	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Bromomethane	ND	3.0		µg/L	1	11/10/2011 3:31:55 AM
2-Butanone	ND	10		µg/L	1	11/10/2011 3:31:55 AM
Carbon disulfide	ND	10		µg/L	1	11/10/2011 3:31:55 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Chlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Chloroethane	ND	2.0		µg/L	1	11/10/2011 3:31:55 AM
Chloroform	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Chloromethane	ND	3.0		µg/L	1	11/10/2011 3:31:55 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/10/2011 3:31:55 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Dibromomethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/10/2011 3:31:55 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/10/2011 3:31:55 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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1111183	**Collection Date:**	
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111183-15	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
2-Hexanone	ND	10		µg/L	1	11/10/2011 3:31:55 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/10/2011 3:31:55 AM
Methylene Chloride	ND	3.0		µg/L	1	11/10/2011 3:31:55 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Styrene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/10/2011 3:31:55 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/10/2011 3:31:55 AM
Vinyl chloride	ND	1.0		µg/L	1	11/10/2011 3:31:55 AM
Xylenes, Total	ND	1.5		µg/L	1	11/10/2011 3:31:55 AM
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%REC	1	11/10/2011 3:31:55 AM
Surr: 4-Bromofluorobenzene	107	73-131		%REC	1	11/10/2011 3:31:55 AM
Surr: Dibromofluoromethane	96.5	70-130		%REC	1	11/10/2011 3:31:55 AM
Surr: Toluene-d8	98.3	70-130		%REC	1	11/10/2011 3:31:55 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
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
ject: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-29230		*MBLK*				Batch ID:	29230	Analysis Date:	11/7/2011 4:20:11 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	R48981	Analysis Date:	11/8/2011 3:42:54 PM		
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID:	R48993	Analysis Date:	11/9/2011 3:18:30 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
·mium	ND	mg/L	0.0060								
er	ND	mg/L	0.0060								
iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*				Batch ID:	R49023	Analysis Date:	11/10/2011 4:15:41 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: LCS-29230		*LCS*				Batch ID:	29230	Analysis Date:	11/7/2011 4:23:09 PM		
Arsenic	0.5398	mg/L	0.020	0.5	0	108	85	115			
Barium	0.5040	mg/L	0.0020	0.5	0	101	85	115			
Cadmium	0.5254	mg/L	0.0020	0.5	0	105	85	115			
Chromium	0.5067	mg/L	0.0060	0.5	0.0010	101	85	115			
Copper	0.4971	mg/L	0.0060	0.5	0.0007	99.3	85	115			
Iron	0.5091	mg/L	0.020	0.5	0	102	85	115			
Lead	0.5053	mg/L	0.0050	0.5	0	101	85	115			
Manganese	0.4923	mg/L	0.0020	0.5	0	98.5	85	115			
Silver	0.1044	mg/L	0.0050	0.1	0	104	85	115			
Zinc	0.5127	mg/L	0.010	0.5	0.0018	102	85	115			
Sample ID: LCS		*LCS*				Batch ID:	R48961	Analysis Date:	11/8/2011 3:45:48 PM		
Calcium	49.73	mg/L	1.0	50	0	99.5	85	115			
Magnesium	50.68	mg/L	1.0	50	0.0044	101	85	115			
Potassium	49.42	mg/L	1.0	50	0	98.8	85	115			
Sodium	50.08	mg/L	1.0	50	0	100	85	115			
Sample ID: LCS		*LCS*				Batch ID:	R48993	Analysis Date:	11/9/2011 3:21:25 PM		
Barium	0.4844	mg/L	0.0020	0.5	0	96.9	85	115			
Cadmium	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Calcium	47.46	mg/L	1.0	50	0	94.9	85	115			
Chromium	0.4893	mg/L	0.0060	0.5	0.0003	97.8	85	115			
Copper	0.4729	mg/L	0.0060	0.5	0.0008	94.4	85	115			
Iron	0.4872	mg/L	0.020	0.5	0	97.4	85	115			
Lead	0.4869	mg/L	0.0050	0.5	0	97.4	85	115			
Magnesium	48.06	mg/L	1.0	50	0.0034	96.1	85	115			
Manganese	0.4724	mg/L	0.0020	0.5	0	94.5	85	115			
Potassium	46.88	mg/L	1.0	50	0	93.8	85	115			
Silver	0.09865	mg/L	0.0050	0.1	0	98.6	85	115			
Sodium	47.48	mg/L	1.0	50	0	95.0	85	115			
Zinc	0.4898	mg/L	0.010	0.5	0	98.0	85	115			
Sample ID: LCS		*LCS*				Batch ID:	R49023	Analysis Date:	11/10/2011 4:18:36 PM		
Barium	0.4975	mg/L	0.0020	0.5	0	99.5	85	115			
Cadmium	0.5133	mg/L	0.0020	0.5	0	103	85	115			
Calcium	47.20	mg/L	1.0	50	0	94.4	85	115			
Chromium	0.5006	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.4812	mg/L	0.0060	0.5	0	96.2	85	115			
Iron	0.4985	mg/L	0.020	0.5	0	99.7	85	115			
Lead	0.4960	mg/L	0.0050	0.5	0	99.2	85	115			
Magnesium	47.84	mg/L	1.0	50	0.0031	95.7	85	115			
Manganese	0.4850	mg/L	0.0020	0.5	0	97.0	85	115			
Potassium	47.01	mg/L	1.0	50	0	94.0	85	115			
Silver	0.1021	mg/L	0.0050	0.1	0	102	85	115			
Sodium	47.35	mg/L	1.0	50	0	94.7	85	115			
Zinc	0.5051	mg/L	0.010	0.5	0	101	85	115			

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
ect: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 200.7: Dissolved Metals**											
Sample ID: **MB**		*MBLK*				Batch ID:	**R48993**	Analysis Date:	11/9/2011 3:18:30 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **MB**		*MBLK*				Batch ID:	**R49023**	Analysis Date:	11/10/2011 4:15:41 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: **LCS**		*LCS*				Batch ID:	**R48993**	Analysis Date:	11/9/2011 3:21:25 PM		
Barium	0.4844	mg/L	0.0020	0.5	0	96.9	85	115			
Cadmium	0.5008	mg/L	0.0020	0.5	0	100	85	115			
Calcium	47.46	mg/L	1.0	50	0	94.9	85	115			
Chromium	0.4893	mg/L	0.0060	0.5	0.0003	97.8	85	115			
Copper	0.4729	mg/L	0.0060	0.5	0.0008	94.4	85	115			
Iron	0.4872	mg/L	0.020	0.5	0	97.4	85	115			
Lead	0.4869	mg/L	0.0050	0.5	0	97.4	85	115			
Magnesium	48.06	mg/L	1.0	50	0.0034	96.1	85	115			
Manganese	0.4724	mg/L	0.0020	0.5	0	94.5	85	115			
Potassium	46.88	mg/L	1.0	50	0	93.8	85	115			
Silver	0.09865	mg/L	0.0050	0.1	0	98.6	85	115			
Sodium	47.48	mg/L	1.0	50	0	95.0	85	115			
Zinc	0.4898	mg/L	0.010	0.5	0	98.0	85	115			
Sample ID: **LCS**		*LCS*				Batch ID:	**R49023**	Analysis Date:	11/10/2011 4:18:36 PM		
Barium	0.4975	mg/L	0.0020	0.5	0	99.5	85	115			
Cadmium	0.5133	mg/L	0.0020	0.5	0	103	85	115			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R49023**	Analysis Date:	11/10/2011 4:18:36 PM		
Calcium	47.20	mg/L	1.0	50	0	94.4	85	115			
Chromium	0.5006	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.4812	mg/L	0.0060	0.5	0	96.2	85	115			
Iron	0.4985	mg/L	0.020	0.5	0	99.7	85	115			
Lead	0.4960	mg/L	0.0050	0.5	0	99.2	85	115			
Magnesium	47.84	mg/L	1.0	50	0.0031	95.7	85	115			
Manganese	0.4850	mg/L	0.0020	0.5	0	97.0	85	115			
Potassium	47.01	mg/L	1.0	50	0	94.0	85	115			
Silver	0.1021	mg/L	0.0050	0.1	0	102	85	115			
Sodium	47.35	mg/L	1.0	50	0	94.7	85	115			
Zinc	0.5051	mg/L	0.010	0.5	0	101	85	115			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R49095**	Analysis Date:	11/15/2011 10:41:11 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49095**	Analysis Date:	11/15/2011 11:45:01 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49128**	Analysis Date:	11/16/2011 2:25:26 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49095**	Analysis Date:	11/15/2011 10:43:14 AM		
Arsenic	0.02705	mg/L	0.0010	0.025	0	108	85	115			
Selenium	0.02825	mg/L	0.0010	0.025	0	113	85	115			
Uranium	0.02625	mg/L	0.0010	0.025	0	105	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49095**	Analysis Date:	11/15/2011 12:41:46 PM		
Arsenic	0.02666	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02851	mg/L	0.0010	0.025	0	114	85	115			
Uranium	0.02431	mg/L	0.0010	0.025	0	97.2	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49128**	Analysis Date:	11/16/2011 2:29:32 PM		
Arsenic	0.02628	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02743	mg/L	0.0010	0.025	0	110	85	115			
Uranium	0.02539	mg/L	0.0010	0.025	0	102	85	115			

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
ect: Semi Annual
Work Order: 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Metals											
Sample ID: MB-29230		*MBLK*				Batch ID:	**29230**	Analysis Date:	11/10/2011 12:49:48 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: MB		*MBLK*				Batch ID:	**R49095**	Analysis Date:	11/15/2011 11:45:01 AM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49128**	Analysis Date:	11/16/2011 2:25:26 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R49128**	Analysis Date:	11/16/2011 5:22:04 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R49095**	Analysis Date:	11/15/2011 12:41:46 PM		
Arsenic	0.02666	mg/L	0.0010	0.025	0	107	85	115			
Selenium	0.02851	mg/L	0.0010	0.025	0	114	85	115			
Uranium	0.02431	mg/L	0.0010	0.025	0	97.2	85	115			
ıle ID: LCS		*LCS*				Batch ID:	**R49128**	Analysis Date:	11/16/2011 2:29:32 PM		
·.ıic	0.02628	mg/L	0.0010	0.025	0	105	85	115			
Selenium	0.02743	mg/L	0.0010	0.025	0	110	85	115			
Uranium	0.02539	mg/L	0.0010	0.025	0	102	85	115			
Sample ID: LCS		*LCS*				Batch ID:	**R49128**	Analysis Date:	11/16/2011 5:26:11 PM		
Arsenic	0.02660	mg/L	0.0010	0.025	0	106	85	115			
Selenium	0.02799	mg/L	0.0010	0.025	0	112	85	115			
Uranium	0.02484	mg/L	0.0010	0.025	0	99.4	85	115			
Method: EPA Method 245.1: Mercury											
Sample ID: MB-29285		*MBLK*				Batch ID:	**29285**	Analysis Date:	11/9/2011 11:57:54 AM		
Mercury	ND	mg/L	0.00020								
Sample ID: MB-29325		*MBLK*				Batch ID:	**29325**	Analysis Date:	11/11/2011 2:29:18 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-29285		*LCS*				Batch ID:	**29285**	Analysis Date:	11/9/2011 11:59:40 AM		
Mercury	0.005092	mg/L	0.00020	0.005	3E-05	101	80	120			
Sample ID: LCS-29325		*LCS*				Batch ID:	**29325**	Analysis Date:	11/11/2011 2:31:04 PM		
Mercury	0.004765	mg/L	0.00020	0.005	9E-05	93.6	80	120			

Qualifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
	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: Semi Annual
Work Order: 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1111183-13AMSD		*MSD*				Batch ID: **R48817**		Analysis Date:		11/3/2011 2:00:57 AM	
Fluoride	1.389	mg/L	0.10	0.5	0.904	96.9	71.7	114	2.70	20	
Sample ID: MB		*MBLK*				Batch ID: **R48817**		Analysis Date:		11/2/2011 4:43:47 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R48915**		Analysis Date:		11/4/2011 11:20:23 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R48956**		Analysis Date:		11/8/2011 3:20:00 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R48998**		Analysis Date:		11/9/2011 12:17:38 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R48998**		Analysis Date:		11/9/2011 10:46:26 PM	
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R49067**		Analysis Date:		11/11/2011 12:38:11 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R49101**		Analysis Date:		11/15/2011 3:43:53 PM	

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: Semi Annual
Work Order: 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R49101**	Analysis Date:	11/15/2011 3:43:53 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R49101**	Analysis Date:	11/16/2011 12:54:07 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R49230**	Analysis Date:	11/21/2011 1:33:18 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R48817**	Analysis Date:	11/2/2011 5:01:11 PM		
Fluoride	0.5206	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.962	mg/L	0.50	5	0	99.2	90	110			
Bromide	2.544	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.526	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.074	mg/L	0.50	5	0	101	90	110			
Sulfate	10.28	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48915**	Analysis Date:	11/4/2011 11:37:48 AM		
Fluoride	0.5078	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.824	mg/L	0.50	5	0	96.5	90	110			
Bromide	2.455	mg/L	0.10	2.5	0	98.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.467	mg/L	0.20	3.5	0	99.1	90	110			
Phosphorus, Orthophosphate (As P)	4.962	mg/L	0.50	5	0	99.2	90	110			
Sulfate	9.796	mg/L	0.50	10	0	98.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48956**	Analysis Date:	11/8/2011 3:31:14 PM		
Fluoride	0.5086	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.802	mg/L	0.50	5	0	96.0	90	110			
Bromide	2.289	mg/L	0.10	2.5	0	91.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.432	mg/L	0.20	3.5	0	98.0	90	110			
Phosphorus, Orthophosphate (As P)	4.824	mg/L	0.50	5	0	96.5	90	110			
Sulfate	9.705	mg/L	0.50	10	0	97.1	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48998**	Analysis Date:	11/9/2011 12:28:52 PM		
Fluoride	0.5018	mg/L	0.10	0.5	0	100	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R48998**	Analysis Date:	11/9/2011 12:28:52 PM		
Chloride	4.939	mg/L	0.50	5	0	98.8	90	110			
Bromide	2.338	mg/L	0.10	2.5	0	93.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.471	mg/L	0.20	3.5	0	99.2	90	110			
Phosphorus, Orthophosphate (As P)	4.880	mg/L	0.50	5	0	97.6	90	110			
Sulfate	10.06	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R48998**	Analysis Date:	11/9/2011 10:57:40 PM		
Chloride	5.311	mg/L	0.50	5	0	106	90	110			
Bromide	2.637	mg/L	0.10	2.5	0	105	90	110			
Nitrate (As N)+Nitrite (As N)	3.744	mg/L	0.20	3.5	0	107	90	110			
Phosphorus, Orthophosphate (As P)	5.339	mg/L	0.50	5	0	107	90	110			
Sulfate	10.71	mg/L	0.50	10	0	107	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R49067**	Analysis Date:	11/11/2011 12:49:25 PM		
Fluoride	0.4944	mg/L	0.10	0.5	0	98.9	90	110			
Chloride	4.614	mg/L	0.50	5	0	92.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.253	mg/L	0.20	3.5	0	93.0	90	110			
Phosphorus, Orthophosphate (As P)	4.703	mg/L	0.50	5	0	94.1	90	110			
Sulfate	9.408	mg/L	0.50	10	0	94.1	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R49101**	Analysis Date:	11/15/2011 3:55:07 PM		
Fluoride	0.5031	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.787	mg/L	0.50	5	0	95.7	90	110			
Bromide	2.267	mg/L	0.10	2.5	0	90.7	90	110			
Nitrate (As N)+Nitrite (As N)	3.398	mg/L	0.20	3.5	0	97.1	90	110			
Phosphorus, Orthophosphate (As P)	4.777	mg/L	0.50	5	0	95.5	90	110			
Sulfate	9.720	mg/L	0.50	10	0	97.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R49101**	Analysis Date:	11/16/2011 1:05:21 AM		
Fluoride	0.5276	mg/L	0.10	0.5	0	106	90	110			
Chloride	5.018	mg/L	0.50	5	0	100	90	110			
Bromide	2.405	mg/L	0.10	2.5	0	96.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.576	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.005	mg/L	0.50	5	0	100	90	110			
Sulfate	10.11	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R49230**	Analysis Date:	11/21/2011 1:44:32 PM		
Fluoride	0.4634	mg/L	0.10	0.5	0	92.7	90	110			
Chloride	4.729	mg/L	0.50	5	0	94.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.397	mg/L	0.20	3.5	0	97.1	90	110			
Phosphorus, Orthophosphate (As P)	4.653	mg/L	0.50	5	0	93.1	90	110			
Sulfate	9.638	mg/L	0.50	10	0	96.4	90	110			
Sample ID: 1111183-13AMS		*MS*				Batch ID:	**R48817**	Analysis Date:	11/3/2011 1:43:32 AM		
Fluoride	1.352	mg/L	0.10	0.5	0.904	89.5	71.7	114			

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: Semi Annual
Work Order: 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1111183-01a msd		*MSD*				Batch ID: **R48996**		Analysis Date:		11/9/2011 7:47:00 PM	
Benzene	188.6	µg/L	10	200	0	94.3	69.2	127	0.219	18.7	
Toluene	194.4	µg/L	10	200	3.36	95.5	68.2	130	3.69	16.9	
Chlorobenzene	192.2	µg/L	10	200	2.194	95.0	74	122	4.35	13.9	
1,1-Dichloroethene	190.3	µg/L	10	200	0	95.2	69.3	123	1.97	16.7	
Trichloroethene (TCE)	159.0	µg/L	10	200	0	79.5	61.3	127	1.23	18	
Sample ID: 5ml rb		*MBLK*				Batch ID: **R48996**		Analysis Date:		11/9/2011 10:41:44 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
orm	ND	µg/L	1.0								
nethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R48996**	Analysis Date:	11/9/2011 10:41:44 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R48996**	Analysis Date:	11/9/2011 11:39:58 AM		
Benzene	18.45	µg/L	1.0	20	0	92.3	81.1	130			
Toluene	19.74	µg/L	1.0	20	0.2986	97.2	82.3	122			
Chlorobenzene	19.50	µg/L	1.0	20	0	97.5	70	130			
1,1-Dichloroethene	19.33	µg/L	1.0	20	0	96.7	83.1	126			
Trichloroethene (TCE)	16.66	µg/L	1.0	20	0	83.3	67.4	137			
Sample ID: 1111183-01a ms		*MS*				Batch ID:	**R48996**	Analysis Date:	11/9/2011 7:17:53 PM		
Benzene	189.0	µg/L	10	200	0	94.5	69.2	127			
Toluene	201.8	µg/L	10	200	3.36	99.2	68.2	130			
Chlorobenzene	200.8	µg/L	10	200	2.194	99.3	74	122			
1,1-Dichloroethene	194.1	µg/L	10	200	0	97.1	69.3	123			
Trichloroethene (TCE)	157.1	µg/L	10	200	0	78.5	61.3	127			

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: Semi Annual
Work Order: 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29216		*MBLK*					Batch ID: **29216**		Analysis Date:	11/8/2011 5:38:47 PM	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
[illegible]roaniline	ND	µg/L	10								
[illegible]ronaphthalene	ND	µg/L	10								
2-[illegible]lorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29216		*MBLK*				Batch ID:	29216	Analysis Date:	11/8/2011 5:38:47 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: mb-29283		*MBLK*				Batch ID:	29283	Analysis Date:	11/10/2011 2:57:39 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								

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: Semi Annual
Work Order: 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29283		*MBLK*				Batch ID: 29283		Analysis Date: 11/10/2011 2:57:39 PM			
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
[illegible]methylphenol	ND	µg/L	10								
[illegible]itro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	5.0								
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
1-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								

Qualifiers:

*	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: Semi Annual **Work Order:** 1111183

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-29283		*MBLK*				Batch ID:	**29283**	Analysis Date:	11/10/2011 2:57:39 PM		
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-29216		*LCS*				Batch ID:	**29216**	Analysis Date:	11/8/2011 6:07:46 PM		
Acenaphthene	78.44	µg/L	10	100	0	78.4	37.7	119			
4-Chloro-3-methylphenol	166.0	µg/L	10	200	0	83.0	48.8	104			
2-Chlorophenol	151.3	µg/L	10	200	0	75.7	38.2	109			
1,4-Dichlorobenzene	56.04	µg/L	10	100	0	56.0	33.7	99.1			
2,4-Dinitrotoluene	84.18	µg/L	10	100	0	84.2	39.9	125			
N-Nitrosodi-n-propylamine	77.98	µg/L	10	100	0	78.0	43.8	95.1			
4-Nitrophenol	106.8	µg/L	10	200	0	53.4	21.7	68.6			
Pentachlorophenol	155.9	µg/L	20	200	0	78.0	26.7	107			
Phenol	99.44	µg/L	10	200	0	49.7	23.9	65.8			
Pyrene	77.74	µg/L	10	100	0	77.7	45.7	107			
1,2,4-Trichlorobenzene	57.08	µg/L	10	100	0	57.1	30.8	104			
Sample ID: lcsd-29216		*LCSD*				Batch ID:	**29216**	Analysis Date:	11/8/2011 6:36:47 PM		
Acenaphthene	68.50	µg/L	10	100	0	68.5	37.7	119	13.5	20	
4-Chloro-3-methylphenol	148.6	µg/L	10	200	0	74.3	48.8	104	11.1	20	
2-Chlorophenol	136.4	µg/L	10	200	0	68.2	38.2	109	10.4	20	
1,4-Dichlorobenzene	56.26	µg/L	10	100	0	56.3	33.7	99.1	0.392	20	
2,4-Dinitrotoluene	81.82	µg/L	10	100	0	81.8	39.9	125	2.84	20	
N-Nitrosodi-n-propylamine	63.32	µg/L	10	100	0	63.3	43.8	95.1	20.8	20	R
4-Nitrophenol	97.36	µg/L	10	200	0	48.7	21.7	68.6	9.25	20	
Pentachlorophenol	163.5	µg/L	20	200	0	81.8	26.7	107	4.75	20	
Phenol	82.12	µg/L	10	200	0	41.1	23.9	65.8	19.1	20	
Pyrene	80.02	µg/L	10	100	0	80.0	45.7	107	2.89	20	
1,2,4-Trichlorobenzene	58.92	µg/L	10	100	0	58.9	30.8	104	3.17	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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 11/2/2011

Work Order Number 1111183 | Received by: AT

Checklist completed by: Signature 11/2/11 Date | Sample ID labels checked by: MG Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

11/2/11 Number of preserved bottles checked for pH: 2 3 5 10 (<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: TRIP BLANK HAS HEAD SPACE

12S, 13B - ADDED 1mL HNO_3 FOR ACCEPTABLE pH 11/2/11

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#: 505 863-0930

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Semi Annual @ Evap. Ponds

Project #:

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1111183	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) + MTBE	8270 (Semi-VOA) + Phenols	WQCC Metals - Total	WQCC Metals - Dissolved	GenChem		Air Bubbles (Y or N)
11/1/11	0906	AQ	EP-1	Various		1										X	X	X	X	X		
	0926		EP-3			2																
	0940		EP-4			3																
	1005		EP-5			4																
	1030		EP-6			5																
	1052		EP-2			6																
	1325		EP-9			7																
	1345		EP-8			8																
	1405		EP-7			9																
	1426		EP-11			10																
	1445		EP-12A			11																
	1512		EP-12B			12																

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/2/11	1215			11/02/11	1215
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: GenChem: Cations, Anions, pH, spec cond.

If ary, samples submitted to Hall Environmental may be subcontracted to other accredited laborato 's serves as notice of this possibility. Any sub-contracted data will be clearly notated on the ana port.

Chain-of-Custody Record

Client: Western Refinery
Gallup Refinery
Mailing Address: #3 Box 4
Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-863-0930
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____
Project Name:
Semi-Annual
Project #:
Ponds
Project Manager:
C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.0

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.
11/1/11	1520	AQ	BW-to EP-2			-13
11/1/11	0830	AQ	Field Blank			14
		1	TripBlank			15

Analysis Request

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)	CATIONS/ANIONS				Air Bubbles (Y or N)
									X		X				
									X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/2/11	1215			11/02/11	1215
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, December 02, 2011

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

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

RE: Semi Annual

Order No.: 1111184

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 11/2/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1111184	**Collection Date:**	11/2/2011 7:45:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	960	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111184	**Collection Date:**	11/2/2011 7:50:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	530	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:00:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	7.3	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	47.3	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*

Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1111184	**Collection Date:**	11/2/2011 7:50:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	530	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:00:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	7.3	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	47.3	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	9.0	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:15:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	9.5	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	32.3	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:05:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	9.0	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:15:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	9.5	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	32.3	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:20:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	15	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:25:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	40	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	461.1	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:20:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	15	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	< 1	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:25:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	40	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	461.1	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	85	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:35:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	130	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:30:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	85	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:35:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	130	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:45:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	140	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:50:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	62	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	547.5	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:45:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	140	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	> 2419.6	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:50:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	62	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	547.5	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
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: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:55:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	29	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	5.2	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 111103014
Project Name: 1111184

Analytical Results Report

Sample Number 111103014-001 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-01C / EP-1 **Sampling Time** 7:45 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	2250	mg/L	250	11/29/2011	JLU	EPA 410.4	
Total P	1.27	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-002 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-02C / EP-2 **Sampling Time** 7:50 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1560	mg/L	250	11/29/2011	JLU	EPA 410.4	
Total P	0.747	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-003 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-03C / EP-6 **Sampling Time** 8:00 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	252	mg/L	25	11/29/2011	JLU	EPA 410.4	
Total P	0.175	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Dec-11*
Analytical Report

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1111184	**Collection Date:**	11/2/2011 8:55:00 AM
Project:	Semi Annual	**Date Received:**	11/2/2011
Lab ID:	1111184-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM5210B: BOD						Analyst: **JAL**
Biochemical Oxygen Demand	29	2.0		mg/L	1	11/8/2011 6:32:00 AM
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **MAW**
E. Coli	5.2	1.0		CFU/100ml	1	11/3/2011 2:34:00 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111103014
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1111184
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111103014-001	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-01C / EP-1	**Sampling Time**	7:45 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	2250	mg/L	250	11/29/2011	JLU	EPA 410.4	
Total P	1.27	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number	111103014-002	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-02C / EP-2	**Sampling Time**	7:50 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1560	mg/L	250	11/29/2011	JLU	EPA 410.4	
Total P	0.747	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number	111103014-003	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-03C / EP-6	**Sampling Time**	8:00 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	252	mg/L	25	11/29/2011	JLU	EPA 410.4	
Total P	0.175	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 111103014
Project Name: 1111184

Analytical Results Report

Sample Number 111103014-004 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-04C / EP-9 **Sampling Time** 8:05 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1870	mg/L	125	11/29/2011	JLU	EPA 410.4	
Total P	ND	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-005 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-05C / EP-8 **Sampling Time** 8:15 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	512	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.125	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-006 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-06C / EP-7 **Sampling Time** 8:20 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1240	mg/L	125	11/29/2011	JLU	EPA 410.4	
Total P	0.127	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-007 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-07C / EP-11 **Sampling Time** 8:25 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	486	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.333	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 111103014
Project Name: 1111184

Analytical Results Report

Sample Number 111103014-008 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-08C / EP-12A **Sampling Time** 8:30 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	515	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.411	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-009 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-09C / EP-12B **Sampling Time** 8:35 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	618	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.546	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-010 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-10C / EP-3 **Sampling Time** 8:45 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	608	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.501	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-011 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-11C / EP-4 **Sampling Time** 8:50 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	478	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.392	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 111103014
Project Name: 1111184

Analytical Results Report

Sample Number 111103014-004 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-04C / EP-9 **Sampling Time** 8:05 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1870	mg/L	125	11/29/2011	JLU	EPA 410.4	
Total P	ND	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-005 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-05C / EP-8 **Sampling Time** 8:15 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	512	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.125	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-006 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-06C / EP-7 **Sampling Time** 8:20 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1240	mg/L	125	11/29/2011	JLU	EPA 410.4	
Total P	0.127	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number 111103014-007 **Sampling Date** 11/2/2011 **Date/Time Received** 11/3/2011 10:26 AM
Client Sample ID 1111184-07C / EP-11 **Sampling Time** 8:25 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	486	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.333	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111103014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1111184
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111103014-008	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-08C / EP-12A	**Sampling Time**	8:30 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	515	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.411	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number	111103014-009	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-09C / EP-12B	**Sampling Time**	8:35 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	618	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.546	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number	111103014-010	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-10C / EP-3	**Sampling Time**	8:45 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	608	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.501	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Sample Number	111103014-011	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-11C / EP-4	**Sampling Time**	8:50 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	478	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.392	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C585; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 111103014
Project Name: 1111184

Analytical Results Report

Sample Number	111103014-012	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011 10:26 AM
Client Sample ID	1111184-12C / EP-5	**Sampling Time**	8:55 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	302	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.349	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Authorized Signature

John Coddington, Lab Manager

MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00189; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0085

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Semi Annual **Work Order:** 1111184

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SM5210B: BOD											
Sample ID: MB-29196		*MBLK*				Batch ID: **29196**		Analysis Date:		11/8/2011 6:32:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-29196		*MBLK*				Batch ID: **29196**		Analysis Date:		11/8/2011 6:32:00 AM	
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-29196		*LCS*				Batch ID: **29196**		Analysis Date:		11/8/2011 6:32:00 AM	
Biochemical Oxygen Demand	172.8	mg/L	2.0	198	0	87.2	84.6	115.4			
Sample ID: LCSD-29196		*LCSD*				Batch ID: **29196**		Analysis Date:		11/8/2011 6:32:00 AM	
Biochemical Oxygen Demand	172.3	mg/L	2.0	198	0	87.0	84.6	115.4	0.290	20	
Method: SM 9223B Fecal Indicator: E. coli MPN											
Sample ID: MB-29186		*MBLK*				Batch ID: **29186**		Analysis Date:		11/3/2011 2:34:00 PM	
E. Coli	< 1	CFU/100	1.0								

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

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	111103014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1111184
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	111103014-012	**Sampling Date**	11/2/2011	**Date/Time Received**	11/3/2011	10:26 AM	
Client Sample ID	1111184-12C / EP-5	**Sampling Time**	8:55 AM				
Matrix	Water						
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	302	mg/L	50	11/29/2011	JLU	EPA 410.4	
Total P	0.349	mg/L	0.1	11/9/2011	JTT	SM4500PF	

Authorized Signature

John Coddington, Lab Manager

MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Semi Annual **Work Order:** 1111184

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SM5210B: BOD											
Sample ID: MB-29196		*MBLK*				Batch ID: **29196**		Analysis Date:	11/8/2011 6:32:00 AM		
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: MB-29196		*MBLK*				Batch ID: **29196**		Analysis Date:	11/8/2011 6:32:00 AM		
Biochemical Oxygen Demand	ND	mg/L	2.0								
Sample ID: LCS-29196		*LCS*				Batch ID: **29196**		Analysis Date:	11/8/2011 6:32:00 AM		
Biochemical Oxygen Demand	172.8	mg/L	2.0	198	0	87.2	84.6	115.4			
Sample ID: LCSD-29196		*LCSD*				Batch ID: **29196**		Analysis Date:	11/8/2011 6:32:00 AM		
Biochemical Oxygen Demand	172.3	mg/L	2.0	198	0	87.0	84.6	115.4	0.290	20	
Method: SM 9223B Fecal Indicator: E. coli MPN											
Sample ID: MB-29186		*MBLK*				Batch ID: **29186**		Analysis Date:	11/3/2011 2:34:00 PM		
E. Coli	< 1	CFU/100	1.0								

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: 11/2/2011

Work Order Number 1111184 | Received by: AT

Checklist completed by: _____ 11/02/11 | Sample ID labels checked by: NG (Initials)

Signature | Date

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐	
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐		
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐		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 ☐	12	
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#: 505-863-0930

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Semi-Annual

Project #: Evap Ponds

Project Manager: C Johnson

Sampler: C Johnson

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	ECOL	Air Bubbles (Y or N)
11/2/11	0745	AQ	EP-1			-1												X	X	X	
	0750		EP-2			-2															
	0800		EP-6			-3															
	0805		EP-9			-4															
	0815		EP-8			-5															
	0820		EP-7			-6															
	0825		EP-11			-7															
	0830		EP-12A			-8															
	0835		EP-12B			-9															
	0845		EP-3			-10															
	0850		EP-4			-11															
	0855		EP-5			-12															

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/2/11	1215			11/02/11	1215
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If nec samples submitted to Hall Environmental may be subcontracted to other accredited laboratories serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytir rt.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 11/2/2011

Work Order Number 1111184 | Received by: AT

Checklist completed by: _____ 11/02/11 | Sample ID labels checked by: NG

Signature | Date | Initials

Matrix: | Carrier name Client drop-off

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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 ☐	
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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#: 505-863-0930
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other ____
☐ EDD (Type) ____

Turn-Around Time: ☒ Standard ☐ Rush ____
Project Name: Semi-Annual
Project #: Evap Ponds
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 7.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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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.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	E.Coli		Air Bubbles (Y or N)
11/2/11	0745	AQ	EP-1			-1												X	X	X		
	0750		EP-2			-2																
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Date:	Time:	Relinquished by:	Received by:	Date	Time
11/2/11	1215			11/02/11	1215
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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