GRCC

ENTERED

Monzeglio, Hope, NMENV

From: Rajen, Gaurav [Gaurav.Rajen@wnr.com]
Sent: Monday, August 10, 2009 7:47 AM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD
Cc: Riege, Ed
Subject: Latest sampling results for BW wells at Gallup Refinery
Attachments: BW wells July 2009.pdf

Dear Hope and Carl:

It is a pleasure to write and share with you our latest sampling results for our BW wells.

You will notice that for one our wells, BW-3B, Bis(2-ethylhexyl) phthalate had a hit of 0.01 ppm; however, as all other semi-volatiles and volatiles are Non-detect (for all wells) and the detection limit for this analyte was also 0.01ppm we feel that this result is probably a laboratory artifact. We will stay alert to see if this result reappears in our next round of sampling.

Best regards,

Raj

This inbound email has been scanned by the MessageLabs Email Security System.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Tuesday, July 28, 2009

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

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

RE: 2009 Annual BW Sampling

Order No.: 0907192

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 7/10/2009 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *28-Jul-09*

CLIENT: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling
Lab Order: 0907192

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 0907192-04a: pH=5.0

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	0907192	**Collection Date:**	7/6/2009 11:45:00 AM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	7/17/2009 5:14:05 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/19/2009 9:17:11 PM
Barium	ND	0.020		mg/L	1	7/19/2009 9:17:11 PM
Cadmium	ND	0.0020		mg/L	1	7/19/2009 9:17:11 PM
Chromium	ND	0.0060		mg/L	1	7/19/2009 9:17:11 PM
Copper	ND	0.0060		mg/L	1	7/19/2009 9:17:11 PM
Iron	ND	0.050		mg/L	1	7/19/2009 9:17:11 PM
Lead	ND	0.0050		mg/L	1	7/19/2009 9:17:11 PM
Magnesium	ND	1.0		mg/L	1	7/19/2009 9:17:11 PM
Manganese	0.0027	0.0020		mg/L	1	7/19/2009 9:17:11 PM
Potassium	ND	1.0		mg/L	1	7/19/2009 9:17:11 PM
Selenium	ND	0.050		mg/L	1	7/19/2009 9:17:11 PM
Silver	ND	0.0050		mg/L	1	7/19/2009 9:17:11 PM
Zinc	ND	0.050		mg/L	1	7/19/2009 9:17:11 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	7/15/2009
Acenaphthylene	ND	10		µg/L	1	7/15/2009
Aniline	ND	10		µg/L	1	7/15/2009
Anthracene	ND	10		µg/L	1	7/15/2009
Azobenzene	ND	10		µg/L	1	7/15/2009
Benz(a)anthracene	ND	10		µg/L	1	7/15/2009
Benzo(a)pyrene	ND	10		µg/L	1	7/15/2009
Benzo(b)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/15/2009
Benzo(k)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzoic acid	ND	20		µg/L	1	7/15/2009
Benzyl alcohol	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/15/2009
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/15/2009
Butyl benzyl phthalate	ND	10		µg/L	1	7/15/2009
Carbazole	ND	10		µg/L	1	7/15/2009
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/15/2009
4-Chloroaniline	ND	10		µg/L	1	7/15/2009
2-Chloronaphthalene	ND	10		µg/L	1	7/15/2009
2-Chlorophenol	ND	10		µg/L	1	7/15/2009
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

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Lab ID:	0907192-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Chrysene	ND	10		µg/L	1	7/15/2009
Di-n-butyl phthalate	ND	10		µg/L	1	7/15/2009
Di-n-octyl phthalate	ND	10		µg/L	1	7/15/2009
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/15/2009
Dibenzofuran	ND	10		µg/L	1	7/15/2009
1,2-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,3-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,4-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/15/2009
Diethyl phthalate	ND	10		µg/L	1	7/15/2009
Dimethyl phthalate	ND	10		µg/L	1	7/15/2009
2,4-Dichlorophenol	ND	20		µg/L	1	7/15/2009
2,4-Dimethylphenol	ND	10		µg/L	1	7/15/2009
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrophenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
2,6-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
Fluoranthene	ND	10		µg/L	1	7/15/2009
Fluorene	ND	10		µg/L	1	7/15/2009
Hexachlorobenzene	ND	10		µg/L	1	7/15/2009
Hexachlorobutadiene	ND	10		µg/L	1	7/15/2009
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/15/2009
Hexachloroethane	ND	10		µg/L	1	7/15/2009
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/15/2009
Isophorone	ND	10		µg/L	1	7/15/2009
2-Methylnaphthalene	ND	10		µg/L	1	7/15/2009
2-Methylphenol	ND	10		µg/L	1	7/15/2009
3+4-Methylphenol	ND	10		µg/L	1	7/15/2009
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodimethylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/15/2009
Naphthalene	ND	10		µg/L	1	7/15/2009
2-Nitroaniline	ND	10		µg/L	1	7/15/2009
3-Nitroaniline	ND	10		µg/L	1	7/15/2009
4-Nitroaniline	ND	10		µg/L	1	7/15/2009
Nitrobenzene	ND	10		µg/L	1	7/15/2009
2-Nitrophenol	ND	10		µg/L	1	7/15/2009
4-Nitrophenol	ND	10		µg/L	1	7/15/2009
Pentachlorophenol	ND	20		µg/L	1	7/15/2009
Phenanthrene	ND	10		µg/L	1	7/15/2009
Phenol	ND	10		µg/L	1	7/15/2009
Pyrene	ND	10		µg/L	1	7/15/2009

Qualifiers:

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Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyridine	ND	10		µg/L	1	7/15/2009
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/15/2009
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/15/2009
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/15/2009
Surr: 2,4,6-Tribromophenol	76.5	16.6-150		%REC	1	7/15/2009
Surr: 2-Fluorobiphenyl	67.6	19.6-134		%REC	1	7/15/2009
Surr: 2-Fluorophenol	55.0	9.54-113		%REC	1	7/15/2009
Surr: 4-Terphenyl-d14	75.9	22.7-145		%REC	1	7/15/2009
Surr: Nitrobenzene-d5	75.2	14.6-134		%REC	1	7/15/2009
Surr: Phenol-d5	39.2	10.7-80.3		%REC	1	7/15/2009
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Toluene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Ethylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Naphthalene	ND	2.0		µg/L	1	7/13/2009 11:07:19 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/13/2009 11:07:19 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/13/2009 11:07:19 PM
Acetone	ND	10		µg/L	1	7/13/2009 11:07:19 PM
Bromobenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Bromoform	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Bromomethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
2-Butanone	ND	10		µg/L	1	7/13/2009 11:07:19 PM
Carbon disulfide	ND	10		µg/L	1	7/13/2009 11:07:19 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Chlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Chloroethane	ND	2.0		µg/L	1	7/13/2009 11:07:19 PM
Chloroform	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Chloromethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/13/2009 11:07:19 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Dibromomethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM

Qualifiers:

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E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	RL	Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	0907192	**Collection Date:**	7/6/2009 11:45:00 AM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/13/2009 11:07:19 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
2-Hexanone	ND	10		µg/L	1	7/13/2009 11:07:19 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/13/2009 11:07:19 PM
Methylene Chloride	ND	3.0		µg/L	1	7/13/2009 11:07:19 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Styrene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/13/2009 11:07:19 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/13/2009 11:07:19 PM
Vinyl chloride	ND	1.0		µg/L	1	7/13/2009 11:07:19 PM
Xylenes, Total	ND	1.5		µg/L	1	7/13/2009 11:07:19 PM
Surr: 1,2-Dichloroethane-d4	108	68.1-123		%REC	1	7/13/2009 11:07:19 PM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	1	7/13/2009 11:07:19 PM
Surr: Dibromofluoromethane	118	68.5-119		%REC	1	7/13/2009 11:07:19 PM
Surr: Toluene-d8	114	64-131		%REC	1	7/13/2009 11:07:19 PM

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J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0907192	**Collection Date:**	7/6/2009 1:42:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	7/17/2009 5:15:56 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/19/2009 9:34:13 PM
Barium	0.099	0.020		mg/L	1	7/19/2009 9:34:13 PM
Cadmium	ND	0.0020		mg/L	1	7/19/2009 9:34:13 PM
Chromium	ND	0.0060		mg/L	1	7/19/2009 9:34:13 PM
Copper	ND	0.0060		mg/L	1	7/19/2009 9:34:13 PM
Iron	1.8	0.25		mg/L	5	7/19/2009 10:27:24 PM
Lead	ND	0.0050		mg/L	1	7/19/2009 9:34:13 PM
Magnesium	4.1	1.0		mg/L	1	7/19/2009 9:34:13 PM
Manganese	0.47	0.0020		mg/L	1	7/19/2009 9:34:13 PM
Potassium	1.8	1.0		mg/L	1	7/19/2009 9:34:13 PM
Selenium	ND	0.050		mg/L	1	7/19/2009 9:34:13 PM
Silver	ND	0.0050		mg/L	1	7/19/2009 9:34:13 PM
Zinc	ND	0.050		mg/L	1	7/19/2009 9:34:13 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	7/15/2009
Acenaphthylene	ND	10		µg/L	1	7/15/2009
Aniline	ND	10		µg/L	1	7/15/2009
Anthracene	ND	10		µg/L	1	7/15/2009
Azobenzene	ND	10		µg/L	1	7/15/2009
Benz(a)anthracene	ND	10		µg/L	1	7/15/2009
Benzo(a)pyrene	ND	10		µg/L	1	7/15/2009
Benzo(b)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/15/2009
Benzo(k)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzoic acid	ND	20		µg/L	1	7/15/2009
Benzyl alcohol	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/15/2009
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/15/2009
Butyl benzyl phthalate	ND	10		µg/L	1	7/15/2009
Carbazole	ND	10		µg/L	1	7/15/2009
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/15/2009
4-Chloroaniline	ND	10		µg/L	1	7/15/2009
2-Chloronaphthalene	ND	10		µg/L	1	7/15/2009
2-Chlorophenol	ND	10		µg/L	1	7/15/2009
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/15/2009

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Lab ID:	0907192-02	**Matrix:**	AQUEOUS

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Chrysene	ND	10		µg/L	1	7/15/2009
Di-n-butyl phthalate	ND	10		µg/L	1	7/15/2009
Di-n-octyl phthalate	ND	10		µg/L	1	7/15/2009
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/15/2009
Dibenzofuran	ND	10		µg/L	1	7/15/2009
1,2-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,3-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,4-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/15/2009
Diethyl phthalate	ND	10		µg/L	1	7/15/2009
Dimethyl phthalate	ND	10		µg/L	1	7/15/2009
2,4-Dichlorophenol	ND	20		µg/L	1	7/15/2009
2,4-Dimethylphenol	ND	10		µg/L	1	7/15/2009
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrophenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
2,6-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
Fluoranthene	ND	10		µg/L	1	7/15/2009
Fluorene	ND	10		µg/L	1	7/15/2009
Hexachlorobenzene	ND	10		µg/L	1	7/15/2009
Hexachlorobutadiene	ND	10		µg/L	1	7/15/2009
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/15/2009
Hexachloroethane	ND	10		µg/L	1	7/15/2009
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/15/2009
Isophorone	ND	10		µg/L	1	7/15/2009
2-Methylnaphthalene	ND	10		µg/L	1	7/15/2009
2-Methylphenol	ND	10		µg/L	1	7/15/2009
3+4-Methylphenol	ND	10		µg/L	1	7/15/2009
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodimethylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/15/2009
Naphthalene	ND	10		µg/L	1	7/15/2009
2-Nitroaniline	ND	10		µg/L	1	7/15/2009
3-Nitroaniline	ND	10		µg/L	1	7/15/2009
4-Nitroaniline	ND	10		µg/L	1	7/15/2009
Nitrobenzene	ND	10		µg/L	1	7/15/2009
2-Nitrophenol	ND	10		µg/L	1	7/15/2009
4-Nitrophenol	ND	10		µg/L	1	7/15/2009
Pentachlorophenol	ND	20		µg/L	1	7/15/2009
Phenanthrene	ND	10		µg/L	1	7/15/2009
Phenol	ND	10		µg/L	1	7/15/2009
Pyrene	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0907192	**Collection Date:**	7/6/2009 1:42:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Pyridine	ND	10		µg/L	1	7/15/2009
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/15/2009
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/15/2009
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/15/2009
Surr: 2,4,6-Tribromophenol	81.6	16.6-150		%REC	1	7/15/2009
Surr: 2-Fluorobiphenyl	77.3	19.6-134		%REC	1	7/15/2009
Surr: 2-Fluorophenol	52.2	9.54-113		%REC	1	7/15/2009
Surr: 4-Terphenyl-d14	76.9	22.7-145		%REC	1	7/15/2009
Surr: Nitrobenzene-d5	80.7	14.6-134		%REC	1	7/15/2009
Surr: Phenol-d5	35.8	10.7-80.3		%REC	1	7/15/2009
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Toluene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Ethylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Naphthalene	ND	2.0		µg/L	1	7/13/2009 11:36:27 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/13/2009 11:36:27 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/13/2009 11:36:27 PM
Acetone	ND	10		µg/L	1	7/13/2009 11:36:27 PM
Bromobenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Bromoform	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Bromomethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
2-Butanone	ND	10		µg/L	1	7/13/2009 11:36:27 PM
Carbon disulfide	ND	10		µg/L	1	7/13/2009 11:36:27 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Chlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Chloroethane	ND	2.0		µg/L	1	7/13/2009 11:36:27 PM
Chloroform	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Chloromethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/13/2009 11:36:27 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Dibromomethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0907192	**Collection Date:**	7/6/2009 1:42:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/13/2009 11:36:27 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
2-Hexanone	ND	10		µg/L	1	7/13/2009 11:36:27 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/13/2009 11:36:27 PM
Methylene Chloride	ND	3.0		µg/L	1	7/13/2009 11:36:27 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Styrene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/13/2009 11:36:27 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/13/2009 11:36:27 PM
Vinyl chloride	ND	1.0		µg/L	1	7/13/2009 11:36:27 PM
Xylenes, Total	ND	1.5		µg/L	1	7/13/2009 11:36:27 PM
Surr: 1,2-Dichloroethane-d4	110	68.1-123		%REC	1	7/13/2009 11:36:27 PM
Surr: 4-Bromofluorobenzene	107	53.2-145		%REC	1	7/13/2009 11:36:27 PM
Surr: Dibromofluoromethane	112	68.5-119		%REC	1	7/13/2009 11:36:27 PM
Surr: Toluene-d8	104	64-131		%REC	1	7/13/2009 11:36:27 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:01:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	7/17/2009 5:21:30 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/19/2009 9:38:11 PM
Barium	0.15	0.020		mg/L	1	7/19/2009 9:38:11 PM
Cadmium	ND	0.0020		mg/L	1	7/19/2009 9:38:11 PM
Chromium	ND	0.0060		mg/L	1	7/19/2009 9:38:11 PM
Copper	ND	0.0060		mg/L	1	7/19/2009 9:38:11 PM
Iron	0.50	0.050		mg/L	1	7/19/2009 9:38:11 PM
Lead	ND	0.0050		mg/L	1	7/19/2009 9:38:11 PM
Magnesium	3.4	1.0		mg/L	1	7/19/2009 9:38:11 PM
Manganese	0.15	0.0020		mg/L	1	7/19/2009 9:38:11 PM
Potassium	ND	1.0		mg/L	1	7/19/2009 9:38:11 PM
Selenium	ND	0.050		mg/L	1	7/19/2009 9:38:11 PM
Silver	ND	0.0050		mg/L	1	7/19/2009 9:38:11 PM
Zinc	ND	0.050		mg/L	1	7/19/2009 9:38:11 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	7/15/2009
Acenaphthylene	ND	10		µg/L	1	7/15/2009
Aniline	ND	10		µg/L	1	7/15/2009
Anthracene	ND	10		µg/L	1	7/15/2009
Azobenzene	ND	10		µg/L	1	7/15/2009
Benz(a)anthracene	ND	10		µg/L	1	7/15/2009
Benzo(a)pyrene	ND	10		µg/L	1	7/15/2009
Benzo(b)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/15/2009
Benzo(k)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzoic acid	ND	20		µg/L	1	7/15/2009
Benzyl alcohol	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/15/2009
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/15/2009
Butyl benzyl phthalate	ND	10		µg/L	1	7/15/2009
Carbazole	ND	10		µg/L	1	7/15/2009
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/15/2009
4-Chloroaniline	ND	10		µg/L	1	7/15/2009
2-Chloronaphthalene	ND	10		µg/L	1	7/15/2009
2-Chlorophenol	ND	10		µg/L	1	7/15/2009
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:01:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	10		µg/L	1	7/15/2009
Di-n-butyl phthalate	ND	10		µg/L	1	7/15/2009
Di-n-octyl phthalate	ND	10		µg/L	1	7/15/2009
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/15/2009
Dibenzofuran	ND	10		µg/L	1	7/15/2009
1,2-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,3-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,4-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/15/2009
Diethyl phthalate	ND	10		µg/L	1	7/15/2009
Dimethyl phthalate	ND	10		µg/L	1	7/15/2009
2,4-Dichlorophenol	ND	20		µg/L	1	7/15/2009
2,4-Dimethylphenol	ND	10		µg/L	1	7/15/2009
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrophenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
2,6-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
Fluoranthene	ND	10		µg/L	1	7/15/2009
Fluorene	ND	10		µg/L	1	7/15/2009
Hexachlorobenzene	ND	10		µg/L	1	7/15/2009
Hexachlorobutadiene	ND	10		µg/L	1	7/15/2009
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/15/2009
Hexachloroethane	ND	10		µg/L	1	7/15/2009
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/15/2009
Isophorone	ND	10		µg/L	1	7/15/2009
2-Methylnaphthalene	ND	10		µg/L	1	7/15/2009
2-Methylphenol	ND	10		µg/L	1	7/15/2009
3+4-Methylphenol	ND	10		µg/L	1	7/15/2009
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodimethylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/15/2009
Naphthalene	ND	10		µg/L	1	7/15/2009
2-Nitroaniline	ND	10		µg/L	1	7/15/2009
3-Nitroaniline	ND	10		µg/L	1	7/15/2009
4-Nitroaniline	ND	10		µg/L	1	7/15/2009
Nitrobenzene	ND	10		µg/L	1	7/15/2009
2-Nitrophenol	ND	10		µg/L	1	7/15/2009
4-Nitrophenol	ND	10		µg/L	1	7/15/2009
Pentachlorophenol	ND	20		µg/L	1	7/15/2009
Phenanthrene	ND	10		µg/L	1	7/15/2009
Phenol	ND	10		µg/L	1	7/15/2009
Pyrene	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:01:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Pyridine	ND	10		µg/L	1	7/15/2009
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/15/2009
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/15/2009
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/15/2009
Surr: 2,4,6-Tribromophenol	58.1	16.6-150		%REC	1	7/15/2009
Surr: 2-Fluorobiphenyl	41.1	19.6-134		%REC	1	7/15/2009
Surr: 2-Fluorophenol	27.5	9.54-113		%REC	1	7/15/2009
Surr: 4-Terphenyl-d14	54.0	22.7-145		%REC	1	7/15/2009
Surr: Nitrobenzene-d5	41.1	14.6-134		%REC	1	7/15/2009
Surr: Phenol-d5	18.9	10.7-80.3		%REC	1	7/15/2009
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Toluene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Ethylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Naphthalene	ND	2.0		µg/L	1	7/14/2009 12:05:24 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 12:05:24 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 12:05:24 AM
Acetone	ND	10		µg/L	1	7/14/2009 12:05:24 AM
Bromobenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Bromoform	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Bromomethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
2-Butanone	ND	10		µg/L	1	7/14/2009 12:05:24 AM
Carbon disulfide	ND	10		µg/L	1	7/14/2009 12:05:24 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Chlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Chloroethane	ND	2.0		µg/L	1	7/14/2009 12:05:24 AM
Chloroform	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Chloromethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/14/2009 12:05:24 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Dibromomethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:01:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/14/2009 12:05:24 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
2-Hexanone	ND	10		µg/L	1	7/14/2009 12:05:24 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/14/2009 12:05:24 AM
Methylene Chloride	ND	3.0		µg/L	1	7/14/2009 12:05:24 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Styrene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/14/2009 12:05:24 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/14/2009 12:05:24 AM
Vinyl chloride	ND	1.0		µg/L	1	7/14/2009 12:05:24 AM
Xylenes, Total	ND	1.5		µg/L	1	7/14/2009 12:05:24 AM
Surr: 1,2-Dichloroethane-d4	110	68.1-123		%REC	1	7/14/2009 12:05:24 AM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	1	7/14/2009 12:05:24 AM
Surr: Dibromofluoromethane	109	68.5-119		%REC	1	7/14/2009 12:05:24 AM
Surr: Toluene-d8	106	64-131		%REC	1	7/14/2009 12:05:24 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	0907192	**Collection Date:**	7/6/2009 12:20:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Toluene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Ethylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Naphthalene	ND	2.0		µg/L	1	7/14/2009 12:34:29 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 12:34:29 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 12:34:29 AM
Acetone	ND	10		µg/L	1	7/14/2009 12:34:29 AM
Bromobenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Bromoform	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Bromomethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
2-Butanone	ND	10		µg/L	1	7/14/2009 12:34:29 AM
Carbon disulfide	ND	10		µg/L	1	7/14/2009 12:34:29 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Chlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Chloroethane	ND	2.0		µg/L	1	7/14/2009 12:34:29 AM
Chloroform	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Chloromethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/14/2009 12:34:29 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Dibromomethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/14/2009 12:34:29 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
2-Hexanone	ND	10		µg/L	1	7/14/2009 12:34:29 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	0907192	**Collection Date:**	7/6/2009 12:20:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/14/2009 12:34:29 AM
Methylene Chloride	ND	3.0		µg/L	1	7/14/2009 12:34:29 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Styrene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/14/2009 12:34:29 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/14/2009 12:34:29 AM
Vinyl chloride	ND	1.0		µg/L	1	7/14/2009 12:34:29 AM
Xylenes, Total	ND	1.5		µg/L	1	7/14/2009 12:34:29 AM
Surr: 1,2-Dichloroethane-d4	112	68.1-123		%REC	1	7/14/2009 12:34:29 AM
Surr: 4-Bromofluorobenzene	107	53.2-145		%REC	1	7/14/2009 12:34:29 AM
Surr: Dibromofluoromethane	106	68.5-119		%REC	1	7/14/2009 12:34:29 AM
Surr: Toluene-d8	107	64-131		%REC	1	7/14/2009 12:34:29 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0907192	**Collection Date:**	7/6/2009 12:31:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	7/17/2009 5:23:20 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/19/2009 9:42:20 PM
Barium	0.078	0.020		mg/L	1	7/19/2009 9:42:20 PM
Cadmium	ND	0.0020		mg/L	1	7/19/2009 9:42:20 PM
Chromium	ND	0.0060		mg/L	1	7/19/2009 9:42:20 PM
Copper	ND	0.0060		mg/L	1	7/19/2009 9:42:20 PM
Iron	0.85	0.050		mg/L	1	7/19/2009 9:42:20 PM
Lead	ND	0.0050		mg/L	1	7/19/2009 9:42:20 PM
Magnesium	1.5	1.0		mg/L	1	7/19/2009 9:42:20 PM
Manganese	0.20	0.0020		mg/L	1	7/19/2009 9:42:20 PM
Potassium	1.1	1.0		mg/L	1	7/19/2009 9:42:20 PM
Selenium	ND	0.050		mg/L	1	7/19/2009 9:42:20 PM
Silver	ND	0.0050		mg/L	1	7/19/2009 9:42:20 PM
Zinc	ND	0.050		mg/L	1	7/19/2009 9:42:20 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	7/15/2009
Acenaphthylene	ND	10		µg/L	1	7/15/2009
Aniline	ND	10		µg/L	1	7/15/2009
Anthracene	ND	10		µg/L	1	7/15/2009
Azobenzene	ND	10		µg/L	1	7/15/2009
Benz(a)anthracene	ND	10		µg/L	1	7/15/2009
Benzo(a)pyrene	ND	10		µg/L	1	7/15/2009
Benzo(b)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/15/2009
Benzo(k)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzoic acid	ND	20		µg/L	1	7/15/2009
Benzyl alcohol	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/15/2009
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/15/2009
Butyl benzyl phthalate	ND	10		µg/L	1	7/15/2009
Carbazole	ND	10		µg/L	1	7/15/2009
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/15/2009
4-Chloroaniline	ND	10		µg/L	1	7/15/2009
2-Chloronaphthalene	ND	10		µg/L	1	7/15/2009
2-Chlorophenol	ND	10		µg/L	1	7/15/2009
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0907192	**Collection Date:**	7/6/2009 12:31:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Chrysene	ND	10		µg/L	1	7/15/2009
Di-n-butyl phthalate	ND	10		µg/L	1	7/15/2009
Di-n-octyl phthalate	ND	10		µg/L	1	7/15/2009
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/15/2009
Dibenzofuran	ND	10		µg/L	1	7/15/2009
1,2-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,3-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,4-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/15/2009
Diethyl phthalate	ND	10		µg/L	1	7/15/2009
Dimethyl phthalate	ND	10		µg/L	1	7/15/2009
2,4-Dichlorophenol	ND	20		µg/L	1	7/15/2009
2,4-Dimethylphenol	ND	10		µg/L	1	7/15/2009
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrophenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
2,6-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
Fluoranthene	ND	10		µg/L	1	7/15/2009
Fluorene	ND	10		µg/L	1	7/15/2009
Hexachlorobenzene	ND	10		µg/L	1	7/15/2009
Hexachlorobutadiene	ND	10		µg/L	1	7/15/2009
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/15/2009
Hexachloroethane	ND	10		µg/L	1	7/15/2009
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/15/2009
Isophorone	ND	10		µg/L	1	7/15/2009
2-Methylnaphthalene	ND	10		µg/L	1	7/15/2009
2-Methylphenol	ND	10		µg/L	1	7/15/2009
3+4-Methylphenol	ND	10		µg/L	1	7/15/2009
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodimethylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/15/2009
Naphthalene	ND	10		µg/L	1	7/15/2009
2-Nitroaniline	ND	10		µg/L	1	7/15/2009
3-Nitroaniline	ND	10		µg/L	1	7/15/2009
4-Nitroaniline	ND	10		µg/L	1	7/15/2009
Nitrobenzene	ND	10		µg/L	1	7/15/2009
2-Nitrophenol	ND	10		µg/L	1	7/15/2009
4-Nitrophenol	ND	10		µg/L	1	7/15/2009
Pentachlorophenol	ND	20		µg/L	1	7/15/2009
Phenanthrene	ND	10		µg/L	1	7/15/2009
Phenol	ND	10		µg/L	1	7/15/2009
Pyrene	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0907192	**Collection Date:**	7/6/2009 12:31:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyridine	ND	10		µg/L	1	7/15/2009
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/15/2009
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/15/2009
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/15/2009
Surr: 2,4,6-Tribromophenol	58.1	16.6-150		%REC	1	7/15/2009
Surr: 2-Fluorobiphenyl	52.6	19.6-134		%REC	1	7/15/2009
Surr: 2-Fluorophenol	35.2	9.54-113		%REC	1	7/15/2009
Surr: 4-Terphenyl-d14	52.0	22.7-145		%REC	1	7/15/2009
Surr: Nitrobenzene-d5	51.1	14.6-134		%REC	1	7/15/2009
Surr: Phenol-d5	26.2	10.7-80.3		%REC	1	7/15/2009
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Toluene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Ethylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Naphthalene	ND	2.0		µg/L	1	7/14/2009 1:03:47 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 1:03:47 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 1:03:47 AM
Acetone	ND	10		µg/L	1	7/14/2009 1:03:47 AM
Bromobenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Bromoform	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Bromomethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
2-Butanone	ND	10		µg/L	1	7/14/2009 1:03:47 AM
Carbon disulfide	ND	10		µg/L	1	7/14/2009 1:03:47 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Chlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Chloroethane	ND	2.0		µg/L	1	7/14/2009 1:03:47 AM
Chloroform	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Chloromethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/14/2009 1:03:47 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Dibromomethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0907192	**Collection Date:**	7/6/2009 12:31:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/14/2009 1:03:47 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
2-Hexanone	ND	10		µg/L	1	7/14/2009 1:03:47 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/14/2009 1:03:47 AM
Methylene Chloride	ND	3.0		µg/L	1	7/14/2009 1:03:47 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Styrene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/14/2009 1:03:47 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/14/2009 1:03:47 AM
Vinyl chloride	ND	1.0		µg/L	1	7/14/2009 1:03:47 AM
Xylenes, Total	ND	1.5		µg/L	1	7/14/2009 1:03:47 AM
Surr: 1,2-Dichloroethane-d4	113	68.1-123		%REC	1	7/14/2009 1:03:47 AM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	1	7/14/2009 1:03:47 AM
Surr: Dibromofluoromethane	122	68.5-119	S	%REC	1	7/14/2009 1:03:47 AM
Surr: Toluene-d8	104	64-131		%REC	1	7/14/2009 1:03:47 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0907192	**Collection Date:**	7/6/2009 2:21:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	7/17/2009 5:25:04 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/19/2009 9:46:27 PM
Barium	0.098	0.020		mg/L	1	7/19/2009 9:46:27 PM
Cadmium	ND	0.0020		mg/L	1	7/19/2009 9:46:27 PM
Chromium	ND	0.0060		mg/L	1	7/19/2009 9:46:27 PM
Copper	ND	0.0060		mg/L	1	7/19/2009 9:46:27 PM
Iron	0.62	0.050		mg/L	1	7/19/2009 9:46:27 PM
Lead	ND	0.0050		mg/L	1	7/19/2009 9:46:27 PM
Magnesium	2.6	1.0		mg/L	1	7/19/2009 9:46:27 PM
Manganese	0.11	0.0020		mg/L	1	7/19/2009 9:46:27 PM
Potassium	ND	1.0		mg/L	1	7/19/2009 9:46:27 PM
Selenium	ND	0.050		mg/L	1	7/19/2009 9:46:27 PM
Silver	ND	0.0050		mg/L	1	7/19/2009 9:46:27 PM
Zinc	ND	0.050		mg/L	1	7/19/2009 9:46:27 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	7/15/2009
Acenaphthylene	ND	10		µg/L	1	7/15/2009
Aniline	ND	10		µg/L	1	7/15/2009
Anthracene	ND	10		µg/L	1	7/15/2009
Azobenzene	ND	10		µg/L	1	7/15/2009
Benz(a)anthracene	ND	10		µg/L	1	7/15/2009
Benzo(a)pyrene	ND	10		µg/L	1	7/15/2009
Benzo(b)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/15/2009
Benzo(k)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzoic acid	ND	20		µg/L	1	7/15/2009
Benzyl alcohol	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-ethylhexyl)phthalate	10	10		µg/L	1	7/15/2009
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/15/2009
Butyl benzyl phthalate	ND	10		µg/L	1	7/15/2009
Carbazole	ND	10		µg/L	1	7/15/2009
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/15/2009
4-Chloroaniline	ND	10		µg/L	1	7/15/2009
2-Chloronaphthalene	ND	10		µg/L	1	7/15/2009
2-Chlorophenol	ND	10		µg/L	1	7/15/2009
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0907192	**Collection Date:**	7/6/2009 2:21:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	10		µg/L	1	7/15/2009
Di-n-butyl phthalate	ND	10		µg/L	1	7/15/2009
Di-n-octyl phthalate	ND	10		µg/L	1	7/15/2009
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/15/2009
Dibenzofuran	ND	10		µg/L	1	7/15/2009
1,2-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,3-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,4-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/15/2009
Diethyl phthalate	ND	10		µg/L	1	7/15/2009
Dimethyl phthalate	ND	10		µg/L	1	7/15/2009
2,4-Dichlorophenol	ND	20		µg/L	1	7/15/2009
2,4-Dimethylphenol	ND	10		µg/L	1	7/15/2009
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrophenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
2,6-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
Fluoranthene	ND	10		µg/L	1	7/15/2009
Fluorene	ND	10		µg/L	1	7/15/2009
Hexachlorobenzene	ND	10		µg/L	1	7/15/2009
Hexachlorobutadiene	ND	10		µg/L	1	7/15/2009
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/15/2009
Hexachloroethane	ND	10		µg/L	1	7/15/2009
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/15/2009
Isophorone	ND	10		µg/L	1	7/15/2009
2-Methylnaphthalene	ND	10		µg/L	1	7/15/2009
2-Methylphenol	ND	10		µg/L	1	7/15/2009
3+4-Methylphenol	ND	10		µg/L	1	7/15/2009
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodimethylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/15/2009
Naphthalene	ND	10		µg/L	1	7/15/2009
2-Nitroaniline	ND	10		µg/L	1	7/15/2009
3-Nitroaniline	ND	10		µg/L	1	7/15/2009
4-Nitroaniline	ND	10		µg/L	1	7/15/2009
Nitrobenzene	ND	10		µg/L	1	7/15/2009
2-Nitrophenol	ND	10		µg/L	1	7/15/2009
4-Nitrophenol	ND	10		µg/L	1	7/15/2009
Pentachlorophenol	ND	20		µg/L	1	7/15/2009
Phenanthrene	ND	10		µg/L	1	7/15/2009
Phenol	ND	10		µg/L	1	7/15/2009
Pyrene	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0907192	**Collection Date:**	7/6/2009 2:21:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyridine	ND	10		µg/L	1	7/15/2009
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/15/2009
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/15/2009
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/15/2009
Surr: 2,4,6-Tribromophenol	61.9	16.6-150		%REC	1	7/15/2009
Surr: 2-Fluorobiphenyl	46.1	19.6-134		%REC	1	7/15/2009
Surr: 2-Fluorophenol	23.2	9.54-113		%REC	1	7/15/2009
Surr: 4-Terphenyl-d14	56.4	22.7-145		%REC	1	7/15/2009
Surr: Nitrobenzene-d5	36.3	14.6-134		%REC	1	7/15/2009
Surr: Phenol-d5	18.0	10.7-80.3		%REC	1	7/15/2009
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Toluene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Ethylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Naphthalene	ND	2.0		µg/L	1	7/14/2009 1:32:43 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 1:32:43 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 1:32:43 AM
Acetone	ND	10		µg/L	1	7/14/2009 1:32:43 AM
Bromobenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Bromoform	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Bromomethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
2-Butanone	ND	10		µg/L	1	7/14/2009 1:32:43 AM
Carbon disulfide	ND	10		µg/L	1	7/14/2009 1:32:43 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Chlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Chloroethane	ND	2.0		µg/L	1	7/14/2009 1:32:43 AM
Chloroform	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Chloromethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/14/2009 1:32:43 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Dibromomethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0907192	**Collection Date:**	7/6/2009 2:21:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/14/2009 1:32:43 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
2-Hexanone	ND	10		µg/L	1	7/14/2009 1:32:43 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/14/2009 1:32:43 AM
Methylene Chloride	ND	3.0		µg/L	1	7/14/2009 1:32:43 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Styrene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/14/2009 1:32:43 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/14/2009 1:32:43 AM
Vinyl chloride	ND	1.0		µg/L	1	7/14/2009 1:32:43 AM
Xylenes, Total	ND	1.5		µg/L	1	7/14/2009 1:32:43 AM
Surr: 1,2-Dichloroethane-d4	111	68.1-123		%REC	1	7/14/2009 1:32:43 AM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	1	7/14/2009 1:32:43 AM
Surr: Dibromofluoromethane	116	68.5-119		%REC	1	7/14/2009 1:32:43 AM
Surr: Toluene-d8	101	64-131		%REC	1	7/14/2009 1:32:43 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:40:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	7/17/2009 5:26:48 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/19/2009 9:50:49 PM
Barium	0.054	0.020		mg/L	1	7/19/2009 9:50:49 PM
Cadmium	ND	0.0020		mg/L	1	7/19/2009 9:50:49 PM
Chromium	ND	0.0060		mg/L	1	7/19/2009 9:50:49 PM
Copper	ND	0.0060		mg/L	1	7/19/2009 9:50:49 PM
Iron	0.19	0.050		mg/L	1	7/19/2009 9:50:49 PM
Lead	ND	0.0050		mg/L	1	7/19/2009 9:50:49 PM
Magnesium	ND	1.0		mg/L	1	7/19/2009 9:50:49 PM
Manganese	0.020	0.0020		mg/L	1	7/19/2009 9:50:49 PM
Potassium	ND	1.0		mg/L	1	7/19/2009 9:50:49 PM
Selenium	ND	0.050		mg/L	1	7/19/2009 9:50:49 PM
Silver	ND	0.0050		mg/L	1	7/19/2009 9:50:49 PM
Zinc	ND	0.050		mg/L	1	7/19/2009 9:50:49 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	7/15/2009
Acenaphthylene	ND	10		µg/L	1	7/15/2009
Aniline	ND	10		µg/L	1	7/15/2009
Anthracene	ND	10		µg/L	1	7/15/2009
Azobenzene	ND	10		µg/L	1	7/15/2009
Benz(a)anthracene	ND	10		µg/L	1	7/15/2009
Benzo(a)pyrene	ND	10		µg/L	1	7/15/2009
Benzo(b)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/15/2009
Benzo(k)fluoranthene	ND	10		µg/L	1	7/15/2009
Benzoic acid	ND	20		µg/L	1	7/15/2009
Benzyl alcohol	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/15/2009
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/15/2009
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/15/2009
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/15/2009
Butyl benzyl phthalate	ND	10		µg/L	1	7/15/2009
Carbazole	ND	10		µg/L	1	7/15/2009
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/15/2009
4-Chloroaniline	ND	10		µg/L	1	7/15/2009
2-Chloronaphthalene	ND	10		µg/L	1	7/15/2009
2-Chlorophenol	ND	10		µg/L	1	7/15/2009
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:40:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	10		µg/L	1	7/15/2009
Di-n-butyl phthalate	ND	10		µg/L	1	7/15/2009
Di-n-octyl phthalate	ND	10		µg/L	1	7/15/2009
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/15/2009
Dibenzofuran	ND	10		µg/L	1	7/15/2009
1,2-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,3-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
1,4-Dichlorobenzene	ND	10		µg/L	1	7/15/2009
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/15/2009
Diethyl phthalate	ND	10		µg/L	1	7/15/2009
Dimethyl phthalate	ND	10		µg/L	1	7/15/2009
2,4-Dichlorophenol	ND	20		µg/L	1	7/15/2009
2,4-Dimethylphenol	ND	10		µg/L	1	7/15/2009
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrophenol	ND	20		µg/L	1	7/15/2009
2,4-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
2,6-Dinitrotoluene	ND	10		µg/L	1	7/15/2009
Fluoranthene	ND	10		µg/L	1	7/15/2009
Fluorene	ND	10		µg/L	1	7/15/2009
Hexachlorobenzene	ND	10		µg/L	1	7/15/2009
Hexachlorobutadiene	ND	10		µg/L	1	7/15/2009
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/15/2009
Hexachloroethane	ND	10		µg/L	1	7/15/2009
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/15/2009
Isophorone	ND	10		µg/L	1	7/15/2009
2-Methylnaphthalene	ND	10		µg/L	1	7/15/2009
2-Methylphenol	ND	10		µg/L	1	7/15/2009
3+4-Methylphenol	ND	10		µg/L	1	7/15/2009
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodimethylamine	ND	10		µg/L	1	7/15/2009
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/15/2009
Naphthalene	ND	10		µg/L	1	7/15/2009
2-Nitroaniline	ND	10		µg/L	1	7/15/2009
3-Nitroaniline	ND	10		µg/L	1	7/15/2009
4-Nitroaniline	ND	10		µg/L	1	7/15/2009
Nitrobenzene	ND	10		µg/L	1	7/15/2009
2-Nitrophenol	ND	10		µg/L	1	7/15/2009
4-Nitrophenol	ND	10		µg/L	1	7/15/2009
Pentachlorophenol	ND	20		µg/L	1	7/15/2009
Phenanthrene	ND	10		µg/L	1	7/15/2009
Phenol	ND	10		µg/L	1	7/15/2009
Pyrene	ND	10		µg/L	1	7/15/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:40:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyridine	ND	10		µg/L	1	7/15/2009
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/15/2009
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/15/2009
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/15/2009
Surr: 2,4,6-Tribromophenol	79.6	16.6-150		%REC	1	7/15/2009
Surr: 2-Fluorobiphenyl	66.8	19.6-134		%REC	1	7/15/2009
Surr: 2-Fluorophenol	45.9	9.54-113		%REC	1	7/15/2009
Surr: 4-Terphenyl-d14	65.6	22.7-145		%REC	1	7/15/2009
Surr: Nitrobenzene-d5	67.1	14.6-134		%REC	1	7/15/2009
Surr: Phenol-d5	33.5	10.7-80.3		%REC	1	7/15/2009
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Toluene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Ethylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Naphthalene	ND	2.0		µg/L	1	7/14/2009 2:02:11 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 2:02:11 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/14/2009 2:02:11 AM
Acetone	ND	10		µg/L	1	7/14/2009 2:02:11 AM
Bromobenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Bromoform	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Bromomethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
2-Butanone	ND	10		µg/L	1	7/14/2009 2:02:11 AM
Carbon disulfide	ND	10		µg/L	1	7/14/2009 2:02:11 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Chlorobenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Chloroethane	ND	2.0		µg/L	1	7/14/2009 2:02:11 AM
Chloroform	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Chloromethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/14/2009 2:02:11 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Dibromomethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0907192	**Collection Date:**	7/6/2009 3:40:00 PM
Project:	2009 Annual BW Sampling	**Date Received:**	7/10/2009
Lab ID:	0907192-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/14/2009 2:02:11 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
2-Hexanone	ND	10		µg/L	1	7/14/2009 2:02:11 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/14/2009 2:02:11 AM
Methylene Chloride	ND	3.0		µg/L	1	7/14/2009 2:02:11 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Styrene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/14/2009 2:02:11 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/14/2009 2:02:11 AM
Vinyl chloride	ND	1.0		µg/L	1	7/14/2009 2:02:11 AM
Xylenes, Total	ND	1.5		µg/L	1	7/14/2009 2:02:11 AM
Surr: 1,2-Dichloroethane-d4	113	68.1-123		%REC	1	7/14/2009 2:02:11 AM
Surr: 4-Bromofluorobenzene	106	53.2-145		%REC	1	7/14/2009 2:02:11 AM
Surr: Dibromofluoromethane	116	68.5-119		%REC	1	7/14/2009 2:02:11 AM
Surr: Toluene-d8	110	64-131		%REC	1	7/14/2009 2:02:11 AM

Qualifiers:

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

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Site Name: 0907192
Report Date: 07/24/09

Lab ID: C09070529-001
Client Sample ID: BW-1C
Matrix: Aqueous
Collection Date: 07/06/09 11:45
DateReceived: 07/14/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	07/22/09 23:36 / sml

Lab ID: C09070529-002
Client Sample ID: BW-2B
Matrix: Aqueous
Collection Date: 07/06/09 13:42
DateReceived: 07/14/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	0.013	mg/L		0.001		SW6020	07/22/09 23:46 / sml

Lab ID: C09070529-003
Client Sample ID: BW-2A
Matrix: Aqueous
Collection Date: 07/06/09 15:01
DateReceived: 07/14/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	ND	mg/L		0.001		SW6020	07/22/09 23:51 / sml

Lab ID: C09070529-004
Client Sample ID: BW-2C
Matrix: Aqueous
Collection Date: 07/06/09 12:31
DateReceived: 07/14/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	0.005	mg/L		0.001		SW6020	07/22/09 23:56 / sml

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Site Name: 0907192
Report Date: 07/24/09

Lab ID: C09070529-005
Client Sample ID: BW-3B
Matrix: Aqueous
Collection Date: 07/06/09 14:21
DateReceived: 07/14/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	ND	mg/L		0.001		SW6020	07/23/09 00:21 / sml

Lab ID: C09070529-006
Client Sample ID: BW-3C
Matrix: Aqueous
Collection Date: 07/06/09 15:40
DateReceived: 07/14/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	07/23/09 00:26 / sml

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Hall Environmental
Project: 0907192

Report Date: 07/24/09
Work Order: C09070529

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: 23079
Sample ID: MB-23079	Method Blank				Run: ICPMS4-C_090722B				07/22/09 23:22
Uranium	ND	mg/L	5E-05						
Sample ID: LCS3-23079	Laboratory Control Sample				Run: ICPMS4-C_090722B				07/22/09 23:27
Uranium	0.508	mg/L	0.00030	102	85	115			
Sample ID: C09070577-003CMS3	Sample Matrix Spike				Run: ICPMS4-C_090722B				07/23/09 01:44
Uranium	0.557	mg/L	0.00030	109	75	125			
Sample ID: C09070577-003CMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_090722B				07/23/09 01:49
Uranium	0.567	mg/L	0.00030	111	75	125	1.7	20	

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling **Work Order:** 0907192

Method: **EPA Method 8270C: Semivolatiles**
Sample ID: **mb-19589** *MBLK* Batch ID: **19589** Analysis Date: 7/15/2009

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
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	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling

Work Order: 0907192

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-19589		*MBLK*			Batch ID:	**19589**	Analysis Date:		7/15/2009
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-19589		*LCS*			Batch ID:	**19589**	Analysis Date:		7/15/2009
Acenaphthene	53.54	µg/L	10	53.5	33.2	88.1			
4-Chloro-3-methylphenol	109.0	µg/L	10	54.5	26.5	101			
2-Chlorophenol	92.30	µg/L	10	46.2	27.5	88.7			
1,4-Dichlorobenzene	43.48	µg/L	10	43.5	27.2	74.1			
2,4-Dinitrotoluene	58.54	µg/L	10	58.5	32.6	107			
N-Nitrosodi-n-propylamine	56.04	µg/L	10	56.0	27.1	96.3			
4-Nitrophenol	54.76	µg/L	10	27.4	6.78	74.7			
Pentachlorophenol	101.1	µg/L	20	50.5	14.8	113			
Phenol	55.80	µg/L	10	27.9	17	53.4			
Pyrene	59.02	µg/L	10	59.0	27	96.3			
1,2,4-Trichlorobenzene	50.20	µg/L	10	50.2	30	77.9			
Sample ID: lcsd-19589		*LCSD*			Batch ID:	**19589**	Analysis Date:		7/15/2009
Acenaphthene	61.14	µg/L	10	61.1	33.2	88.1	13.3	30.5	
4-Chloro-3-methylphenol	121.4	µg/L	10	60.7	26.5	101	10.8	28.6	
2-Chlorophenol	115.3	µg/L	10	57.7	27.5	88.7	22.2	107	
1,4-Dichlorobenzene	56.88	µg/L	10	56.9	27.2	74.1	26.7	62.1	
2,4-Dinitrotoluene	67.02	µg/L	10	67.0	32.6	107	13.5	14.7	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling **Work Order:** 0907192

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-19589		*LCSD*			Batch ID:	**19589**	Analysis Date:		7/15/2009
N-Nitrosodi-n-propylamine	67.18	µg/L	10	67.2	27.1	96.3	18.1	30.3	
4-Nitrophenol	45.28	µg/L	10	22.6	6.78	74.7	19.0	36.3	
Pentachlorophenol	107.8	µg/L	20	53.9	14.8	113	6.45	49	
Phenol	69.14	µg/L	10	34.6	17	53.4	21.4	52.4	
Pyrene	66.28	µg/L	10	66.3	27	96.3	11.6	16.3	
1,2,4-Trichlorobenzene	61.66	µg/L	10	61.7	30	77.9	20.5	36.4	
Method: EPA Method 7470: Mercury									
Sample ID: MBLK-19626		*MBLK*			Batch ID:	**19626**	Analysis Date:		7/17/2009 5:01:24 PM
Mercury	ND	mg/L	0.00020						
Sample ID: LCS1-19626		*LCS*			Batch ID:	**19626**	Analysis Date:		7/17/2009 5:03:12 PM
Mercury	0.005110	mg/L	0.00020	102	80	120			
Sample ID: LCS1-19626		*LCS*			Batch ID:	**19626**	Analysis Date:		7/17/2009 5:44:44 PM
Mercury	0.004754	mg/L	0.00020	94.6	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling **Work Order:** 0907192

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-19607		*MBLK*			Batch ID:	**19607**	Analysis Date:	7/19/2009 8:45:14 PM	
Arsenic	0.02216	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Zinc	ND	mg/L	0.020						
Sample ID: LCS-19607		*LCS*			Batch ID:	**19607**	Analysis Date:	7/19/2009 8:48:20 PM	
Arsenic	0.5052	mg/L	0.020	96.6	80	120			B
Barium	0.4950	mg/L	0.010	99.0	80	120			
Cadmium	0.4931	mg/L	0.0020	98.6	80	120			
Chromium	0.4985	mg/L	0.0060	99.7	80	120			
Copper	0.5151	mg/L	0.0060	103	80	120			
Iron	0.5426	mg/L	0.050	109	80	120			
Lead	0.4878	mg/L	0.0050	97.6	80	120			
Magnesium	49.42	mg/L	0.50	98.8	80	120			
Manganese	0.4953	mg/L	0.0020	99.1	80	120			
Potassium	52.83	mg/L	1.0	106	80	120			
Selenium	0.4429	mg/L	0.050	88.6	80	120			
Silver	0.4992	mg/L	0.0050	99.7	80	120			
Zinc	0.4824	mg/L	0.020	96.0	80	120			
Sample ID: LCS-19607		*LCS*			Batch ID:	**19607**	Analysis Date:	7/19/2009 8:51:39 PM	
Arsenic	0.4913	mg/L	0.020	93.8	80	120	2.79	0	B
Barium	0.4917	mg/L	0.010	98.3	80	120	0.669	0	
Cadmium	0.4914	mg/L	0.0020	98.3	80	120	0.346	0	
Chromium	0.4971	mg/L	0.0060	99.4	80	120	0.298	0	
Copper	0.5123	mg/L	0.0060	102	80	120	0.542	0	
Iron	0.5375	mg/L	0.050	107	80	120	0.948	0	
Lead	0.4779	mg/L	0.0050	95.6	80	120	2.05	0	
Magnesium	49.39	mg/L	0.50	98.7	80	120	0.0517	0	
Manganese	0.4912	mg/L	0.0020	98.2	80	120	0.825	0	
Potassium	52.75	mg/L	1.0	105	80	120	0.154	0	
Selenium	0.4716	mg/L	0.050	94.3	80	120	6.29	0	
Silver	0.4943	mg/L	0.0050	98.7	80	120	0.986	0	
Zinc	0.4783	mg/L	0.020	95.1	80	120	0.847	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling **Work Order:** 0907192

Method: EPA Method 8260B: VOLATILES
Sample ID: 5ml rb *MBLK* Batch ID: **R34506** Analysis Date: 7/13/2009 8:57:08 AM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling **Work Order:** 0907192

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R34506**	Analysis Date:	7/13/2009 8:57:08 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b5		*MBLK*			Batch ID:	**R34506**	Analysis Date:	7/13/2009 10:38:20 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling **Work Order:** 0907192

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b5		*MBLK*				Batch ID: **R34506**	Analysis Date:	7/13/2009 10:38:20 PM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
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: **R34506**	Analysis Date:	7/13/2009 9:55:08 AM	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 Annual BW Sampling **Work Order:** 0907192

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R34506**	Analysis Date:	7/13/2009 9:55:08 AM	
Benzene	19.87	µg/L	1.0	99.3	76.7	114			
Toluene	20.12	µg/L	1.0	101	78.4	117			
Chlorobenzene	18.87	µg/L	1.0	94.4	80.7	127			
1,1-Dichloroethene	23.44	µg/L	1.0	117	80.2	128			
Trichloroethene (TCE)	20.86	µg/L	1.0	104	77.4	115			
Sample ID: 100ng lcs_b		*LCS*			Batch ID:	**R34506**	Analysis Date:	7/13/2009 10:09:18 PM	
Benzene	20.49	µg/L	1.0	102	76.7	114			
Toluene	19.19	µg/L	1.0	96.0	78.4	117			
Chlorobenzene	18.79	µg/L	1.0	94.0	80.7	127			
1,1-Dichloroethene	23.18	µg/L	1.0	116	80.2	128			
Trichloroethene (TCE)	20.60	µg/L	1.0	103	77.4	115			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 7/10/2009

Work Order Number 0907192

Received by: TLS

Sample ID labels checked by: Initials

Checklist completed by: Signature 7/10/09 Date

Matrix: Carrier name UPS

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

Number of preserved bottles checked for pH: 12

<2 >12 unless noted below.

Container/Temp Blank temperature? **2.1°** *<6° C Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2009 Annual BW Sampling
Project #: BW wells
Project Manager: G. Rajen
Sampler: Cheryl Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 2°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. 0906192	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				Air Bubbles (Y or N)
7/6/09	1145	H_2O	BW-1C	3.40ml	HCl	-1										X						
				1L Amb.	None	-1											X					
				2.500ml	HNO_3	-1												X				
7/6/09	1342		BW-2B	3.40ml	HCl	-2										X						
				1L Amb	None	-2											X					
				2.500ml	HNO_3	-2												X				
7/6/09	1501		BW-2A	3.40ml	HCl	-3										X						O
				1L Amb	None	-3											X					
7/13/09				2.500ml	HNO_3	-3												X				
7/6/09	1220		Field Blank			-4																

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/9/09	1000			7/10/09	1135
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush _____

Project Name: 2009 Annual BW Sampling

Project #: BW Wells

Project Manager: G. Rajan

Sampler: Chenil Johnson

On Ice: ☒ YES ☐ NO

Sample Temperature: 2.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0907092	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)	W QCC Metals				Air Bubbles (Y or N)
7/7/09	1231	H2O	BW-2C	3-40ml	HCl	-5										X						
	/			1L Amb	None	-5											X					
				2-500ml	HNO3	-5												X				
7/7/09	1421		BW-3B	3-40ml	HCl	-6										X						
	/			1L Amb	None	-6											X					
				2-500ml	HNO3	-6												X				
7/7/09	1540		BW-3C	3-40ml	HCl	-7										X						
	/			1L Amb	None	-7											X					
				2-500ml	HNO3	-7												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/9/09	1000			7/10/09	1135
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.